

|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
| Push Factor           | Rate of Natural Increase     | Agricultural Density     | Arithmetic Density   | Step Migration      |
| Malthusian Theory     | Refugee                      | Dependency Ratio         | Remittance           | Antinatalist Policy |
| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

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# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

## THE DRAW — BOTH GAMES

Shuffle the 24 definition cards into one deck, face down. On your turn, draw three and read them.

Play one by matching it to a term on the board and say the term out loud. The card you played goes to the discard pile. The other two go to the bottom of the deck.

**If you can match, you must.** If none of your three cards match, put all three on the bottom, draw three, and your turn ends.

### GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

## YOUR TURN

Mark the square you matched. That square is yours.

## WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

## FOUR TO A SHEET

Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

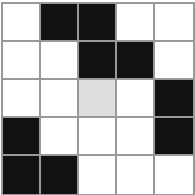
### GAME TWO

## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

## SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



One way to place 4, 3, and 2.  
Any shape works as long as the squares connect edge to edge.

## YOUR TURN

The term you matched is your guess. Your opponent says **hit** or **miss**. Mark it on your standing grid.

A hit earns a free guess at any square touching it, no card needed. Keep going while you keep hitting.

Say **"Found!"** when you have found a whole shape.

## WINNING

Find all three shapes. Two games to a sheet, one on each side.

## CHALLENGE — BOTH GAMES

Either player, any time, before the next cards are drawn. Turn this sheet over and look it up. **Wrong claim:** cross out your mark, the guess does not count, and you lose your next turn. **Wrong challenge:** you lose your next turn.

**Teacher note.** Print the board sheet double-sided and fold it in the middle — never cut it, Fox needs the standing half. Every card in a deck carries the same number on its back. Print at 100%, not "fit to page."

# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

---

## **Agricultural Density**

The number of farmers per unit of farmable land.

## **Antinatalist Policy**

Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

## **Crude Death Rate**

Deaths in a year per thousand people in a population.

## **Demographic Transition Model**

Staged path from high birth and death rates to low ones.

## **Dependency Ratio**

The young and the old compared to the working-age population.

## **Epidemiologic Transition**

Change in what kills most people as a country develops.

## **Forced Migration**

Movement compelled by another power rather than chosen freely.

## **Infant Mortality Rate**

Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

## **Pronatalist Policy**

Government effort to push the national birth rate up.

## **Pull Factor**

A condition that draws a person toward a new place.

## **Push Factor**

A condition that drives a person to leave home.

## **Rate of Natural Increase**

Birth rate minus death rate, with migration left out.

## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

The number of people per unit of total land area.

WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.



WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
live births that year.

WITTY · POPULATION & MIGRATION

Money a migrant worker sends back to  
family at home.

WITTY · POPULATION & MIGRATION

Bar graph splitting a population by age  
group and sex.

WITTY · POPULATION & MIGRATION

The young and the old compared to  
the working-age population.

WITTY · POPULATION & MIGRATION

Staged path from high birth and death  
rates to low ones.

WITTY · POPULATION & MIGRATION

Change in what kills most people as a  
country develops.

WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
than the population needing it.

WITTY · POPULATION & MIGRATION

Government effort to bring the  
national birth rate down.



WITTY · POPULATION & MIGRATION

Government effort to push the  
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WITTY · POPULATION & MIGRATION

A condition that drives a person to  
leave home.

WITTY · POPULATION & MIGRATION

A condition that draws a person  
toward a new place.

WITTY · POPULATION & MIGRATION

A barrier that stops or diverts a  
migrant along the way.

WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

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from war or persecution.

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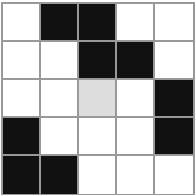
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# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

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Reaching a distant destination through a series of shorter moves.

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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migrant along the way.

WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

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[illegible]

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| Push Factor          | Forced Migration         | Agricultural Density  | Remittance         | Carrying Capacity            |
| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
| Total Fertility Rate | Rate of Natural Increase | FREE                  | Refugee            | Infant Mortality Rate        |
| Intervening Obstacle | Dependency Ratio         | Physiological Density | Pull Factor        | Epidemiologic Transition     |
| Step Migration       | Chain Migration          | Crude Birth Rate      | Arithmetic Density | Demographic Transition Model |

Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
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| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

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|                       |                              |                          |                      |                     |
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|                      |                          |                       |                    |                              |
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| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
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Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

## THE DRAW — BOTH GAMES

Shuffle the 24 definition cards into one deck, face down. On your turn, draw three and read them.

Play one by matching it to a term on the board and say the term out loud. The card you played goes to the discard pile. The other two go to the bottom of the deck.

**If you can match, you must.** If none of your three cards match, put all three on the bottom, draw three, and your turn ends.

### GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

## YOUR TURN

Mark the square you matched. That square is yours.

## WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

## FOUR TO A SHEET

Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

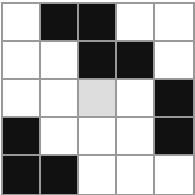
### GAME TWO

## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

## SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



One way to place 4, 3, and 2.  
Any shape works as long as the squares connect edge to edge.

## YOUR TURN

The term you matched is your guess. Your opponent says **hit** or **miss**. Mark it on your standing grid.

A hit earns a free guess at any square touching it, no card needed. Keep going while you keep hitting.

Say **"Found!"** when you have found a whole shape.

## WINNING

Find all three shapes. Two games to a sheet, one on each side.

## CHALLENGE — BOTH GAMES

Either player, any time, before the next cards are drawn. Turn this sheet over and look it up. **Wrong claim:** cross out your mark, the guess does not count, and you lose your next turn. **Wrong challenge:** you lose your next turn.

**Teacher note.** Print the board sheet double-sided and fold it in the middle — never cut it, Fox needs the standing half. Every card in a deck carries the same number on its back. Print at 100%, not "fit to page."

# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

---

## **Agricultural Density**

The number of farmers per unit of farmable land.

## **Antinatalist Policy**

Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

## **Crude Death Rate**

Deaths in a year per thousand people in a population.

## **Demographic Transition Model**

Staged path from high birth and death rates to low ones.

## **Dependency Ratio**

The young and the old compared to the working-age population.

## **Epidemiologic Transition**

Change in what kills most people as a country develops.

## **Forced Migration**

Movement compelled by another power rather than chosen freely.

## **Infant Mortality Rate**

Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

## **Pronatalist Policy**

Government effort to push the national birth rate up.

## **Pull Factor**

A condition that draws a person toward a new place.

## **Push Factor**

A condition that drives a person to leave home.

## **Rate of Natural Increase**

Birth rate minus death rate, with migration left out.

## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

The number of people per unit of total land area.

WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.

[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
live births that year.

WITTY · POPULATION & MIGRATION

Money a migrant worker sends back to  
family at home.

WITTY · POPULATION & MIGRATION

Bar graph splitting a population by age  
group and sex.

WITTY · POPULATION & MIGRATION

The young and the old compared to  
the working-age population.

WITTY · POPULATION & MIGRATION

Staged path from high birth and death  
rates to low ones.

WITTY · POPULATION & MIGRATION

Change in what kills most people as a  
country develops.

WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
than the population needing it.

WITTY · POPULATION & MIGRATION

Government effort to bring the  
national birth rate down.



WITTY · POPULATION & MIGRATION

Government effort to push the  
national birth rate up.

WITTY · POPULATION & MIGRATION

A condition that drives a person to  
leave home.

WITTY · POPULATION & MIGRATION

A condition that draws a person  
toward a new place.

WITTY · POPULATION & MIGRATION

A barrier that stops or diverts a  
migrant along the way.

WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

Someone who has fled across a border  
from war or persecution.



|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
| Push Factor           | Rate of Natural Increase     | Agricultural Density     | Arithmetic Density   | Step Migration      |
| Malthusian Theory     | Refugee                      | Dependency Ratio         | Remittance           | Antinatalist Policy |
| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

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WITY *Population & Migration*

Layout B · P1 \_\_\_\_\_ P2 \_\_\_\_\_

|                      |                          |                       |                    |                              |
|----------------------|--------------------------|-----------------------|--------------------|------------------------------|
| Push Factor          | Forced Migration         | Agricultural Density  | Remittance         | Carrying Capacity            |
| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
| Total Fertility Rate | Rate of Natural Increase | FREE                  | Refugee            | Infant Mortality Rate        |
| Intervening Obstacle | Dependency Ratio         | Physiological Density | Pull Factor        | Epidemiologic Transition     |
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# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

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### GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

## YOUR TURN

Mark the square you matched. That square is yours.

## WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

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Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

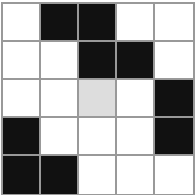
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## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

## SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



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# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

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The number of farmers per unit of farmable land.

## **Antinatalist Policy**

Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

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Deaths in a year per thousand people in a population.

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Staged path from high birth and death rates to low ones.

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Change in what kills most people as a country develops.

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Movement compelled by another power rather than chosen freely.

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Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

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A condition that draws a person toward a new place.

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## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

The number of people per unit of total land area.

WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.

[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
live births that year.

WITTY · POPULATION & MIGRATION

Money a migrant worker sends back to  
family at home.

WITTY · POPULATION & MIGRATION

Bar graph splitting a population by age  
group and sex.

WITTY · POPULATION & MIGRATION

The young and the old compared to  
the working-age population.

WITTY · POPULATION & MIGRATION

Staged path from high birth and death  
rates to low ones.

WITTY · POPULATION & MIGRATION

Change in what kills most people as a  
country develops.

WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
than the population needing it.

WITTY · POPULATION & MIGRATION

Government effort to bring the  
national birth rate down.

[illegible]

WITTY · POPULATION & MIGRATION

Government effort to push the  
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WITTY · POPULATION & MIGRATION

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A condition that draws a person  
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WITTY · POPULATION & MIGRATION

A barrier that stops or diverts a  
migrant along the way.

WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

Someone who has fled across a border  
from war or persecution.

[illegible]

|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
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| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

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| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
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Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

|                      |                          |                       |                    |                              |
|----------------------|--------------------------|-----------------------|--------------------|------------------------------|
| Push Factor          | Forced Migration         | Agricultural Density  | Remittance         | Carrying Capacity            |
| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
| Total Fertility Rate | Rate of Natural Increase | FREE                  | Refugee            | Infant Mortality Rate        |
| Intervening Obstacle | Dependency Ratio         | Physiological Density | Pull Factor        | Epidemiologic Transition     |
| Step Migration       | Chain Migration          | Crude Birth Rate      | Arithmetic Density | Demographic Transition Model |

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# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

## THE DRAW — BOTH GAMES

Shuffle the 24 definition cards into one deck, face down. On your turn, draw three and read them.

Play one by matching it to a term on the board and say the term out loud. The card you played goes to the discard pile. The other two go to the bottom of the deck.

**If you can match, you must.** If none of your three cards match, put all three on the bottom, draw three, and your turn ends.

### GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

### YOUR TURN

Mark the square you matched. That square is yours.

### WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

## FOUR TO A SHEET

Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

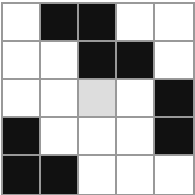
### GAME TWO

## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

### SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



One way to place 4, 3, and 2.  
Any shape works as long as the squares connect edge to edge.

### YOUR TURN

The term you matched is your guess. Your opponent says **hit** or **miss**. Mark it on your standing grid.

A hit earns a free guess at any square touching it, no card needed. Keep going while you keep hitting.

Say **"Found!"** when you have found a whole shape.

### WINNING

Find all three shapes. Two games to a sheet, one on each side.

## CHALLENGE — BOTH GAMES

Either player, any time, before the next cards are drawn. Turn this sheet over and look it up. **Wrong claim:** cross out your mark, the guess does not count, and you lose your next turn. **Wrong challenge:** you lose your next turn.

**Teacher note.** Print the board sheet double-sided and fold it in the middle — never cut it, Fox needs the standing half. Every card in a deck carries the same number on its back. Print at 100%, not "fit to page."

# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

---

## **Agricultural Density**

The number of farmers per unit of farmable land.

## **Antinatalist Policy**

Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

## **Crude Death Rate**

Deaths in a year per thousand people in a population.

## **Demographic Transition Model**

Staged path from high birth and death rates to low ones.

## **Dependency Ratio**

The young and the old compared to the working-age population.

## **Epidemiologic Transition**

Change in what kills most people as a country develops.

## **Forced Migration**

Movement compelled by another power rather than chosen freely.

## **Infant Mortality Rate**

Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

## **Pronatalist Policy**

Government effort to push the national birth rate up.

## **Pull Factor**

A condition that draws a person toward a new place.

## **Push Factor**

A condition that drives a person to leave home.

## **Rate of Natural Increase**

Birth rate minus death rate, with migration left out.

## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

The number of people per unit of total land area.

WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.

[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
live births that year.

WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

Bar graph splitting a population by age  
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WITTY · POPULATION & MIGRATION

The young and the old compared to  
the working-age population.

WITTY · POPULATION & MIGRATION

Staged path from high birth and death  
rates to low ones.

WITTY · POPULATION & MIGRATION

Change in what kills most people as a  
country develops.

WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
than the population needing it.

WITTY · POPULATION & MIGRATION

Government effort to bring the  
national birth rate down.

[illegible]

WITTY · POPULATION & MIGRATION

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national birth rate up.

WITTY · POPULATION & MIGRATION

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leave home.

WITTY · POPULATION & MIGRATION

A condition that draws a person  
toward a new place.

WITTY · POPULATION & MIGRATION

A barrier that stops or diverts a  
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WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

Someone who has fled across a border  
from war or persecution.

[illegible]

|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
| Push Factor           | Rate of Natural Increase     | Agricultural Density     | Arithmetic Density   | Step Migration      |
| Malthusian Theory     | Refugee                      | Dependency Ratio         | Remittance           | Antinatalist Policy |
| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
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# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

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### GAME ONE

## FOUR IN A ROW

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## YOUR TURN

Mark the square you matched. That square is yours.

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Board full with no line: draw.

Call it out: **"Witty!"**

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Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

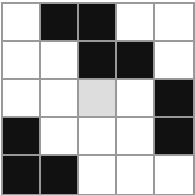
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## FOX

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On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



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# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

---

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The number of farmers per unit of farmable land.

## **Antinatalist Policy**

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## **Arithmetic Density**

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## **Carrying Capacity**

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Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.

[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
live births that year.

WITTY · POPULATION & MIGRATION

Money a migrant worker sends back to  
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WITTY · POPULATION & MIGRATION

Bar graph splitting a population by age  
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WITTY · POPULATION & MIGRATION

The young and the old compared to  
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WITTY · POPULATION & MIGRATION

Staged path from high birth and death  
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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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[illegible]

WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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A barrier that stops or diverts a  
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WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

Someone who has fled across a border  
from war or persecution.

[illegible]

|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
| Push Factor           | Rate of Natural Increase     | Agricultural Density     | Arithmetic Density   | Step Migration      |
| Malthusian Theory     | Refugee                      | Dependency Ratio         | Remittance           | Antinatalist Policy |
| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

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**If you can match, you must.** If none of your three cards match, put all three on the bottom, draw three, and your turn ends.

### GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

### YOUR TURN

Mark the square you matched. That square is yours.

### WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

## FOUR TO A SHEET

Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

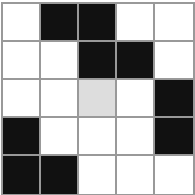
### GAME TWO

## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

### SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



One way to place 4, 3, and 2.  
Any shape works as long as the squares connect edge to edge.

### YOUR TURN

The term you matched is your guess. Your opponent says **hit** or **miss**. Mark it on your standing grid.

A hit earns a free guess at any square touching it, no card needed. Keep going while you keep hitting.

Say **"Found!"** when you have found a whole shape.

### WINNING

Find all three shapes. Two games to a sheet, one on each side.

## CHALLENGE — BOTH GAMES

Either player, any time, before the next cards are drawn. Turn this sheet over and look it up. **Wrong claim:** cross out your mark, the guess does not count, and you lose your next turn. **Wrong challenge:** you lose your next turn.

**Teacher note.** Print the board sheet double-sided and fold it in the middle — never cut it, Fox needs the standing half. Every card in a deck carries the same number on its back. Print at 100%, not "fit to page."

# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

---

## **Agricultural Density**

The number of farmers per unit of farmable land.

## **Antinatalist Policy**

Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

## **Crude Death Rate**

Deaths in a year per thousand people in a population.

## **Demographic Transition Model**

Staged path from high birth and death rates to low ones.

## **Dependency Ratio**

The young and the old compared to the working-age population.

## **Epidemiologic Transition**

Change in what kills most people as a country develops.

## **Forced Migration**

Movement compelled by another power rather than chosen freely.

## **Infant Mortality Rate**

Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

## **Pronatalist Policy**

Government effort to push the national birth rate up.

## **Pull Factor**

A condition that draws a person toward a new place.

## **Push Factor**

A condition that drives a person to leave home.

## **Rate of Natural Increase**

Birth rate minus death rate, with migration left out.

## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

The number of people per unit of total land area.

WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.

[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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Staged path from high birth and death  
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Change in what kills most people as a  
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WITTY · POPULATION & MIGRATION

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than the population needing it.

WITTY · POPULATION & MIGRATION

Government effort to bring the  
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[illegible]

WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
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WITTY · POPULATION & MIGRATION

Movement compelled by another  
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|                       |                              |                          |                      |                     |
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| Malthusian Theory     | Refugee                      | Dependency Ratio         | Remittance           | Antinatalist Policy |
| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

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# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

## THE DRAW — BOTH GAMES

Shuffle the 24 definition cards into one deck, face down. On your turn, draw three and read them.

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Board full with no line: draw.

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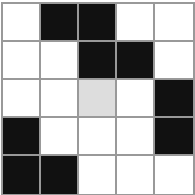
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## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

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# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

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The number of farmers per unit of farmable land.

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Government effort to bring the national birth rate down.

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## **Total Fertility Rate**

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

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Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
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WITTY · POPULATION & MIGRATION

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[illegible]

WITTY · POPULATION & MIGRATION

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A barrier that stops or diverts a  
migrant along the way.

WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

Someone who has fled across a border  
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[illegible]

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| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

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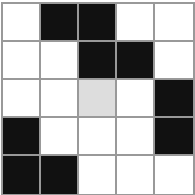
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Unit 2 · 24 terms · Alphabetical

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Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

## **Crude Death Rate**

Deaths in a year per thousand people in a population.

## **Demographic Transition Model**

Staged path from high birth and death rates to low ones.

## **Dependency Ratio**

The young and the old compared to the working-age population.

## **Epidemiologic Transition**

Change in what kills most people as a country develops.

## **Forced Migration**

Movement compelled by another power rather than chosen freely.

## **Infant Mortality Rate**

Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

## **Pronatalist Policy**

Government effort to push the national birth rate up.

## **Pull Factor**

A condition that draws a person toward a new place.

## **Push Factor**

A condition that drives a person to leave home.

## **Rate of Natural Increase**

Birth rate minus death rate, with migration left out.

## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

The number of people per unit of total land area.

WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.

[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
live births that year.

WITTY · POPULATION & MIGRATION

Money a migrant worker sends back to  
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WITTY · POPULATION & MIGRATION

Bar graph splitting a population by age  
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WITTY · POPULATION & MIGRATION

The young and the old compared to  
the working-age population.

WITTY · POPULATION & MIGRATION

Staged path from high birth and death  
rates to low ones.

WITTY · POPULATION & MIGRATION

Change in what kills most people as a  
country develops.

WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
than the population needing it.

WITTY · POPULATION & MIGRATION

Government effort to bring the  
national birth rate down.

[illegible]

WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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leave home.

WITTY · POPULATION & MIGRATION

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toward a new place.

WITTY · POPULATION & MIGRATION

A barrier that stops or diverts a  
migrant along the way.

WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

Someone who has fled across a border  
from war or persecution.

[illegible]

|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
| Push Factor           | Rate of Natural Increase     | Agricultural Density     | Arithmetic Density   | Step Migration      |
| Malthusian Theory     | Refugee                      | Dependency Ratio         | Remittance           | Antinatalist Policy |
| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

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|                      |                          |                       |                    |                              |
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| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
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| Intervening Obstacle | Dependency Ratio         | Physiological Density | Pull Factor        | Epidemiologic Transition     |
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|                      |                          |                       |                    |                              |
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| Push Factor          | Forced Migration         | Agricultural Density  | Remittance         | Carrying Capacity            |
| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
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| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
| Total Fertility Rate | Rate of Natural Increase | FREE                  | Refugee            | Infant Mortality Rate        |
| Intervening Obstacle | Dependency Ratio         | Physiological Density | Pull Factor        | Epidemiologic Transition     |
| Step Migration       | Chain Migration          | Crude Birth Rate      | Arithmetic Density | Demographic Transition Model |

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|----------------------|--------------------------|-----------------------|--------------------|------------------------------|
| Push Factor          | Forced Migration         | Agricultural Density  | Remittance         | Carrying Capacity            |
| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
| Total Fertility Rate | Rate of Natural Increase | FREE                  | Refugee            | Infant Mortality Rate        |
| Intervening Obstacle | Dependency Ratio         | Physiological Density | Pull Factor        | Epidemiologic Transition     |
| Step Migration       | Chain Migration          | Crude Birth Rate      | Arithmetic Density | Demographic Transition Model |

Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

**THE DRAW — BOTH GAMES**

Shuffle the 24 definition cards into one deck, face down. On your turn, draw three and read them.

Play one by matching it to a term on the board and say the term out loud. The card you played goes to the discard pile. The other two go to the bottom of the deck.

**If you can match, you must.** If none of your three cards match, put all three on the bottom, draw three, and your turn ends.

GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

### YOUR TURN

Mark the square you matched. That square is yours.

### WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

### FOUR TO A SHEET

Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

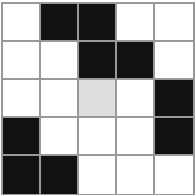
GAME TWO

## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

### SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



One way to place 4, 3, and 2.  
Any shape works as long as the squares connect edge to edge.

### YOUR TURN

The term you matched is your guess. Your opponent says **hit** or **miss**. Mark it on your standing grid.

A hit earns a free guess at any square touching it, no card needed. Keep going while you keep hitting.

Say **"Found!"** when you have found a whole shape.

### WINNING

Find all three shapes. Two games to a sheet, one on each side.

## CHALLENGE — BOTH GAMES

Either player, any time, before the next cards are drawn. Turn this sheet over and look it up. **Wrong claim:** cross out your mark, the guess does not count, and you lose your next turn. **Wrong challenge:** you lose your next turn.

**Teacher note.** Print the board sheet double-sided and fold it in the middle — never cut it, Fox needs the standing half. Every card in a deck carries the same number on its back. Print at 100%, not "fit to page."

# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

---

## **Agricultural Density**

The number of farmers per unit of farmable land.

## **Antinatalist Policy**

Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

## **Crude Death Rate**

Deaths in a year per thousand people in a population.

## **Demographic Transition Model**

Staged path from high birth and death rates to low ones.

## **Dependency Ratio**

The young and the old compared to the working-age population.

## **Epidemiologic Transition**

Change in what kills most people as a country develops.

## **Forced Migration**

Movement compelled by another power rather than chosen freely.

## **Infant Mortality Rate**

Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

## **Pronatalist Policy**

Government effort to push the national birth rate up.

## **Pull Factor**

A condition that draws a person toward a new place.

## **Push Factor**

A condition that drives a person to leave home.

## **Rate of Natural Increase**

Birth rate minus death rate, with migration left out.

## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

The number of people per unit of total land area.

WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Deaths in a year per thousand people in a population.

WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.



WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
live births that year.

WITTY · POPULATION & MIGRATION

Money a migrant worker sends back to  
family at home.

WITTY · POPULATION & MIGRATION

Bar graph splitting a population by age  
group and sex.

WITTY · POPULATION & MIGRATION

The young and the old compared to  
the working-age population.

WITTY · POPULATION & MIGRATION

Staged path from high birth and death  
rates to low ones.

WITTY · POPULATION & MIGRATION

Change in what kills most people as a  
country develops.

WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
than the population needing it.

WITTY · POPULATION & MIGRATION

Government effort to bring the  
national birth rate down.



WITTY · POPULATION & MIGRATION

Government effort to push the  
national birth rate up.

WITTY · POPULATION & MIGRATION

A condition that drives a person to  
leave home.

WITTY · POPULATION & MIGRATION

A condition that draws a person  
toward a new place.

WITTY · POPULATION & MIGRATION

A barrier that stops or diverts a  
migrant along the way.

WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

WITTY · POPULATION & MIGRATION

Movement compelled by another  
power rather than chosen freely.

WITTY · POPULATION & MIGRATION

Someone who has fled across a border  
from war or persecution.

[illegible]

|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
| Push Factor           | Rate of Natural Increase     | Agricultural Density     | Arithmetic Density   | Step Migration      |
| Malthusian Theory     | Refugee                      | Dependency Ratio         | Remittance           | Antinatalist Policy |
| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

Four in a Row: four across, down, or diagonal wins; FREE counts for both. · Fox: shade 4 + 3 + 2. · witsooth.com

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# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

## THE DRAW — BOTH GAMES

Shuffle the 24 definition cards into one deck, face down. On your turn, draw three and read them.

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### GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

## YOUR TURN

Mark the square you matched. That square is yours.

## WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

## FOUR TO A SHEET

Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

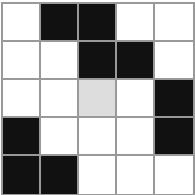
### GAME TWO

## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

## SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



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# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

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WITTY · POPULATION & MIGRATION

Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

Children the average woman bears over her whole lifetime.

[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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[illegible]

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[illegible]

|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
| Push Factor           | Rate of Natural Increase     | Agricultural Density     | Arithmetic Density   | Step Migration      |
| Malthusian Theory     | Refugee                      | Dependency Ratio         | Remittance           | Antinatalist Policy |
| Chain Migration       | Forced Migration             | FREE                     | Total Fertility Rate | Crude Death Rate    |
| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

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# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

## THE DRAW — BOTH GAMES

Shuffle the 24 definition cards into one deck, face down. On your turn, draw three and read them.

Play one by matching it to a term on the board and say the term out loud. The card you played goes to the discard pile. The other two go to the bottom of the deck.

**If you can match, you must.** If none of your three cards match, put all three on the bottom, draw three, and your turn ends.

### GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

## YOUR TURN

Mark the square you matched. That square is yours.

## WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

## FOUR TO A SHEET

Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

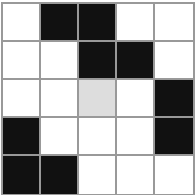
### GAME TWO

## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

## SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



One way to place 4, 3, and 2.  
Any shape works as long as the squares connect edge to edge.

## YOUR TURN

The term you matched is your guess. Your opponent says **hit** or **miss**. Mark it on your standing grid.

A hit earns a free guess at any square touching it, no card needed. Keep going while you keep hitting.

Say **"Found!"** when you have found a whole shape.

## WINNING

Find all three shapes. Two games to a sheet, one on each side.

## CHALLENGE — BOTH GAMES

Either player, any time, before the next cards are drawn. Turn this sheet over and look it up. **Wrong claim:** cross out your mark, the guess does not count, and you lose your next turn. **Wrong challenge:** you lose your next turn.

**Teacher note.** Print the board sheet double-sided and fold it in the middle — never cut it, Fox needs the standing half. Every card in a deck carries the same number on its back. Print at 100%, not "fit to page."

# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

---

## **Agricultural Density**

The number of farmers per unit of farmable land.

## **Antinatalist Policy**

Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

## **Crude Death Rate**

Deaths in a year per thousand people in a population.

## **Demographic Transition Model**

Staged path from high birth and death rates to low ones.

## **Dependency Ratio**

The young and the old compared to the working-age population.

## **Epidemiologic Transition**

Change in what kills most people as a country develops.

## **Forced Migration**

Movement compelled by another power rather than chosen freely.

## **Infant Mortality Rate**

Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

## **Pronatalist Policy**

Government effort to push the national birth rate up.

## **Pull Factor**

A condition that draws a person toward a new place.

## **Push Factor**

A condition that drives a person to leave home.

## **Rate of Natural Increase**

Birth rate minus death rate, with migration left out.

## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION & MIGRATION

The number of people per unit of total land area.

WITTY · POPULATION & MIGRATION

The number of people per unit of farmable land.

WITTY · POPULATION & MIGRATION

The number of farmers per unit of farmable land.

WITTY · POPULATION & MIGRATION

The population an area's resources can support over the long run.

WITTY · POPULATION & MIGRATION

Live births in a year per thousand people in a population.

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Deaths in a year per thousand people in a population.

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Birth rate minus death rate, with migration left out.

WITTY · POPULATION & MIGRATION

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[illegible]

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WITTY · POPULATION & MIGRATION

Movement compelled by another  
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| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

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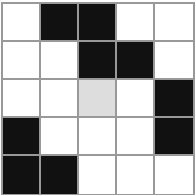
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Unit 2 · 24 terms · Alphabetical

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| Infant Mortality Rate | Pull Factor                  | Epidemiologic Transition | Pronatalist Policy   | Crude Birth Rate    |
| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

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|                       |                              |                          |                      |                     |
|-----------------------|------------------------------|--------------------------|----------------------|---------------------|
| Push Factor           | Rate of Natural Increase     | Agricultural Density     | Arithmetic Density   | Step Migration      |
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WITTY *Population & Migration*

Layout B · P1 \_\_\_\_\_ P2 \_\_\_\_\_

|                      |                          |                       |                    |                              |
|----------------------|--------------------------|-----------------------|--------------------|------------------------------|
| Push Factor          | Forced Migration         | Agricultural Density  | Remittance         | Carrying Capacity            |
| Malthusian Theory    | Antinatalist Policy      | Crude Death Rate      | Population Pyramid | Pronatalist Policy           |
| Total Fertility Rate | Rate of Natural Increase | FREE                  | Refugee            | Infant Mortality Rate        |
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WITTY *Population & Migration*

Layout B · P1 \_\_\_\_\_ P2 \_\_\_\_\_

|                      |                          |                       |                    |                              |
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# WITTY — *two games, one board*

Unit 2 · Population & Migration · Two players · Four games of Four in a Row, or two games of Fox

## THE DRAW — BOTH GAMES

Shuffle the 24 definition cards into one deck, face down. On your turn, draw three and read them.

Play one by matching it to a term on the board and say the term out loud. The card you played goes to the discard pile. The other two go to the bottom of the deck.

**If you can match, you must.** If none of your three cards match, put all three on the bottom, draw three, and your turn ends.

### GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

### YOUR TURN

Mark the square you matched. That square is yours.

### WINNING

Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

Board full with no line: draw.

Call it out: **"Witty!"**

## FOUR TO A SHEET

Fold, play the top face, then turn to the next face. Four faces, four games, two layouts.

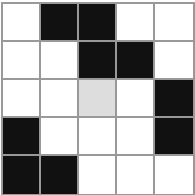
### GAME TWO

## FOX

Each player needs a sheet of their own. Fold it and stand the top half up so it faces you and hides the bottom half.

### SETUP

On your bottom grid, shade three shapes: one of **4** squares, one of **3**, one of **2**. Each shape's squares must touch edge to edge. Shapes may not overlap and may not use FREE.



One way to place 4, 3, and 2.  
Any shape works as long as the squares connect edge to edge.

### YOUR TURN

The term you matched is your guess. Your opponent says **hit** or **miss**. Mark it on your standing grid.

A hit earns a free guess at any square touching it, no card needed. Keep going while you keep hitting.

Say **"Found!"** when you have found a whole shape.

### WINNING

Find all three shapes. Two games to a sheet, one on each side.

## CHALLENGE — BOTH GAMES

Either player, any time, before the next cards are drawn. Turn this sheet over and look it up. **Wrong claim:** cross out your mark, the guess does not count, and you lose your next turn. **Wrong challenge:** you lose your next turn.

**Teacher note.** Print the board sheet double-sided and fold it in the middle — never cut it, Fox needs the standing half. Every card in a deck carries the same number on its back. Print at 100%, not "fit to page."

# ANSWER KEY — *Population & Migration*

Unit 2 · 24 terms · Alphabetical

---

## **Agricultural Density**

The number of farmers per unit of farmable land.

## **Antinatalist Policy**

Government effort to bring the national birth rate down.

## **Arithmetic Density**

The number of people per unit of total land area.

## **Carrying Capacity**

The population an area's resources can support over the long run.

## **Chain Migration**

Following relatives or neighbors who already settled at the destination.

## **Crude Birth Rate**

Live births in a year per thousand people in a population.

## **Crude Death Rate**

Deaths in a year per thousand people in a population.

## **Demographic Transition Model**

Staged path from high birth and death rates to low ones.

## **Dependency Ratio**

The young and the old compared to the working-age population.

## **Epidemiologic Transition**

Change in what kills most people as a country develops.

## **Forced Migration**

Movement compelled by another power rather than chosen freely.

## **Infant Mortality Rate**

Deaths before age one per thousand live births that year.

## **Intervening Obstacle**

A barrier that stops or diverts a migrant along the way.

## **Malthusian Theory**

Claim that food supply grows slower than the population needing it.

## **Physiological Density**

The number of people per unit of farmable land.

## **Population Pyramid**

Bar graph splitting a population by age group and sex.

## **Pronatalist Policy**

Government effort to push the national birth rate up.

## **Pull Factor**

A condition that draws a person toward a new place.

## **Push Factor**

A condition that drives a person to leave home.

## **Rate of Natural Increase**

Birth rate minus death rate, with migration left out.

## **Refugee**

Someone who has fled across a border from war or persecution.

## **Remittance**

Money a migrant worker sends back to family at home.

## **Step Migration**

Reaching a distant destination through a series of shorter moves.

## **Total Fertility Rate**

Children the average woman bears over her whole lifetime.

WITTY · POPULATION &amp; MIGRATION

The number of people per unit of total  
land area.

WITTY · POPULATION &amp; MIGRATION

The number of people per unit of  
farmable land.

WITTY · POPULATION &amp; MIGRATION

The number of farmers per unit of  
farmable land.

WITTY · POPULATION &amp; MIGRATION

The population an area's resources can  
support over the long run.

WITTY · POPULATION &amp; MIGRATION

Live births in a year per thousand  
people in a population.

WITTY · POPULATION &amp; MIGRATION

Deaths in a year per thousand people  
in a population.

WITTY · POPULATION &amp; MIGRATION

Birth rate minus death rate, with  
migration left out.

WITTY · POPULATION &amp; MIGRATION

Children the average woman bears  
over her whole lifetime.

[illegible]

WITTY · POPULATION & MIGRATION

Deaths before age one per thousand  
live births that year.

WITTY · POPULATION & MIGRATION

Money a migrant worker sends back to  
family at home.

WITTY · POPULATION & MIGRATION

Bar graph splitting a population by age  
group and sex.

WITTY · POPULATION & MIGRATION

The young and the old compared to  
the working-age population.

WITTY · POPULATION & MIGRATION

Staged path from high birth and death  
rates to low ones.

WITTY · POPULATION & MIGRATION

Change in what kills most people as a  
country develops.

WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
than the population needing it.

WITTY · POPULATION & MIGRATION

Government effort to bring the  
national birth rate down.

[illegible]

WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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A condition that draws a person  
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WITTY · POPULATION & MIGRATION

A barrier that stops or diverts a  
migrant along the way.

WITTY · POPULATION & MIGRATION

Reaching a distant destination  
through a series of shorter moves.

WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
already settled at the destination.

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Movement compelled by another  
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|                       |                              |                          |                      |                     |
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| Physiological Density | Demographic Transition Model | Intervening Obstacle     | Carrying Capacity    | Population Pyramid  |

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WITY *Population & Migration*

Layout B · P1 \_\_\_\_\_ P2 \_\_\_\_\_

|                      |                          |                       |                    |                              |
|----------------------|--------------------------|-----------------------|--------------------|------------------------------|
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GAME ONE

## FOUR IN A ROW

Fold the sheet, lay it flat between you, and play on the top face. Each player needs a different colored pencil.

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Four squares in a row — across, down, or diagonal. The FREE square counts toward both players' lines.

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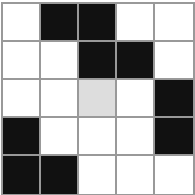
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Unit 2 · 24 terms · Alphabetical

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WITTY · POPULATION &amp; MIGRATION

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WITTY · POPULATION &amp; MIGRATION

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WITTY · POPULATION &amp; MIGRATION

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WITTY · POPULATION &amp; MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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the working-age population.

WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

Claim that food supply grows slower  
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WITTY · POPULATION & MIGRATION

Government effort to bring the  
national birth rate down.



WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

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WITTY · POPULATION & MIGRATION

Reaching a distant destination  
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WITTY · POPULATION & MIGRATION

Following relatives or neighbors who  
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WITTY · POPULATION & MIGRATION

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power rather than chosen freely.

WITTY · POPULATION & MIGRATION

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[illegible]