

#1

Which set of algebra tiles represents the equation: $2x + 5 = 7$

Three sets of algebra tiles are shown, each representing a different equation. Each set consists of a vertical column of tiles on the left and a vertical column of tiles on the right, separated by an equals sign. The tiles are either green (representing 'x') or orange (representing '1').

- Set 1: Left column has 2 green tiles and 5 orange tiles. Right column has 7 orange tiles.
- Set 2: Left column has 2 green tiles and 5 orange tiles. Right column has 7 orange tiles.
- Set 3: Left column has 2 green tiles and 5 orange tiles. Right column has 7 orange tiles.

Below each set is a circle for selection:

Show your work

#2

Which set of algebra tiles represents the equation: $3x = 3$

Three sets of algebra tiles are shown, each representing a different equation. Each set consists of a vertical column of tiles on the left and a vertical column of tiles on the right, separated by an equals sign. The tiles are either green (representing 'x') or orange (representing '1').

- Set 1: Left column has 3 green tiles. Right column has 3 orange tiles.
- Set 2: Left column has 3 green tiles. Right column has 3 orange tiles.
- Set 3: Left column has 3 green tiles. Right column has 3 orange tiles.

Below each set is a circle for selection:

Show your work

#3

Which set of algebra tiles represents the equation: $3x + 2 = 5$

Three sets of algebra tiles are shown, each representing a different equation. Each set consists of a vertical column of tiles on the left and a vertical column of tiles on the right, separated by an equals sign. The tiles are either green (representing 'x') or orange (representing '1').

- Set 1: Left column has 3 green tiles and 2 orange tiles. Right column has 5 orange tiles.
- Set 2: Left column has 3 green tiles and 2 orange tiles. Right column has 5 orange tiles.
- Set 3: Left column has 3 green tiles and 2 orange tiles. Right column has 5 orange tiles.

Below each set is a circle for selection:

Show your work

#4

Which set of algebra tiles represents the equation: $2x = 8$

Three sets of algebra tiles are shown, each representing an equation. Each set consists of a vertical column of tiles on the left and a vertical column of tiles on the right, separated by an equals sign. The tiles are green with 'x' or orange with '1'.

- Set 1: 2 x-tiles = 8 1-tiles. Below it is an empty circle .
- Set 2: 3 x-tiles = 8 1-tiles. Below it is an empty circle .
- Set 3: 2 x-tiles = 10 1-tiles. Below it is an empty circle .

Show your work

#5

Which set of algebra tiles represents the equation: $4x = 20$

Three sets of algebra tiles are shown, each representing an equation. Each set consists of a vertical column of tiles on the left and a vertical column of tiles on the right, separated by an equals sign. The tiles are green with 'x' or orange with '1'.

- Set 1: 4 x-tiles = 8 1-tiles. Below it is an empty circle .
- Set 2: 4 x-tiles = 10 1-tiles. Below it is an empty circle .
- Set 3: 4 x-tiles = 12 1-tiles. Below it is an empty circle .

Show your work

#6

Which equation does this set of algebra tiles represent?

A set of algebra tiles representing an equation. On the left side, there is one orange '1' tile followed by four green 'x' tiles. On the right side, there are nine orange '1' tiles. An equals sign is placed between the two sides.

- $x + 4 = 9$
 $4x + 1 = 6$
 $4x + 1 = 9$

Show your work

#7

Which set of algebra tiles represents the equation: $3x + 5 = 11$

Show your work

#8

Which set of algebra tiles represents the equation: $2x + 4 = 6$

Show your work

#9

Which set of algebra tiles represents the equation: $4x = 16$

Show your work

#10

Which set of algebra tiles represents the equation: $4x = 12$

Three sets of algebra tiles are shown, each representing an equation. Each set consists of a vertical column of tiles on the left and a vertical column of tiles on the right, separated by an equals sign. Below each set is a circle for a multiple-choice answer.

- Set 1: Left column has 4 x-tiles; right column has 12 1-tiles.
- Set 2: Left column has 4 x-tiles; right column has 12 1-tiles.
- Set 3: Left column has 4 x-tiles; right column has 12 1-tiles.

Show your work

#11

Which set of algebra tiles represents the equation: $3x = 3$

Three sets of algebra tiles are shown, each representing an equation. Each set consists of a vertical column of tiles on the left and a vertical column of tiles on the right, separated by an equals sign. Below each set is a circle for a multiple-choice answer.

- Set 1: Left column has 3 x-tiles; right column has 3 1-tiles.
- Set 2: Left column has 3 x-tiles; right column has 3 1-tiles.
- Set 3: Left column has 3 x-tiles; right column has 3 1-tiles.

Show your work

#12

Which set of algebra tiles represents the equation: $3x + 5 = 11$

Three sets of algebra tiles are shown, each representing an equation. Each set consists of a vertical column of tiles on the left and a vertical column of tiles on the right, separated by an equals sign. Below each set is a circle for a multiple-choice answer.

- Set 1: Left column has 3 x-tiles and 5 1-tiles; right column has 11 1-tiles.
- Set 2: Left column has 3 x-tiles and 5 1-tiles; right column has 11 1-tiles.
- Set 3: Left column has 3 x-tiles and 5 1-tiles; right column has 11 1-tiles.

Show your work

Question	Answer
#1	choice 3
#2	choice 1
#3	choice 3
#4	choice 1
#5	choice 2
#6	choice 3
#7	choice 2
#8	choice 3
#9	choice 2
#10	choice 2
#11	choice 1
#12	choice 2