

#1

Which set of algebra tiles represents the equation:  $3x+5=8$

Three sets of algebra tiles are shown, each representing an equation. Each set consists of two vertical bars separated by an equals sign. The tiles are orange squares labeled '1' and green rectangles labeled 'x'.

- Set 1: The left bar has 3 'x' tiles and 5 '1' tiles. The right bar has 8 '1' tiles.
- Set 2: The left bar has 3 'x' tiles and 5 '1' tiles. The right bar has 3 '1' tiles and 5 '1' tiles.
- Set 3: The left bar has 3 'x' tiles and 5 '1' tiles. The right bar has 3 'x' tiles and 5 '1' tiles.

Below each set is a radio button for selection.

Show your work

#2

Which set of algebra tiles represents the equation:  $x+5=8$

Three sets of algebra tiles are shown, each representing an equation. Each set consists of two vertical bars separated by an equals sign. The tiles are orange squares labeled '1' and green rectangles labeled 'x'.

- Set 1: The left bar has 1 'x' tile and 5 '1' tiles. The right bar has 8 '1' tiles.
- Set 2: The left bar has 1 'x' tile and 5 '1' tiles. The right bar has 1 'x' tile and 5 '1' tiles.
- Set 3: The left bar has 1 'x' tile and 5 '1' tiles. The right bar has 1 'x' tile and 5 '1' tiles.

Below each set is a radio button for selection.

Show your work

#3

Which equation does this set of algebra tiles represent?

Algebra tiles representing an equation. On the left, there are two green rectangles labeled 'x'. To the right of these is an equals sign. On the right side of the equals sign, there are four orange squares labeled '1'.

- $5x=4$      
   $2x=4$      
   $2x=5$

Show your work

#4

Which set of algebra tiles represents the equation:  $4x + 5 = 17$

Three sets of algebra tiles are shown, each representing an equation. Each set consists of a left side and a right side separated by an equals sign.

- Set 1: Left side has 4 x-tiles and 5 1-tiles. Right side has 17 1-tiles.
- Set 2: Left side has 2 x-tiles and 5 1-tiles. Right side has 17 1-tiles.
- Set 3: Left side has 4 x-tiles and 5 1-tiles. Right side has 17 1-tiles.

Below each set is a radio button for selection.

Show your work

#5

Which equation does this set of algebra tiles represent?

Algebra tiles representing the equation  $x + 4 = 6$ . The left side has 4 1-tiles and 1 x-tile. The right side has 6 1-tiles.

- $x + 4 = 6$    
   $4x + 1 = 6$    
   $x + 4 = 8$

Show your work

#6

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

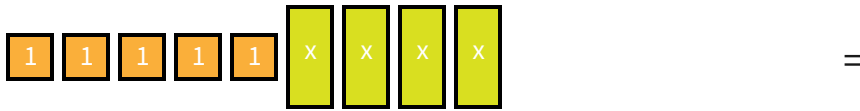
Three sets of algebra tiles are shown, each representing an equation. Each set consists of a left side and a right side separated by an equals sign.

- Set 1: Left side has 4 x-tiles. Right side has 20 1-tiles.
- Set 2: Left side has 4 x-tiles. Right side has 20 1-tiles.
- Set 3: Left side has 2 x-tiles. Right side has 20 1-tiles.

Below each set is a radio button for selection.

Show your work

#7 Which equation does this set of algebra tiles represent?



- $5x + 4 = 13$    
   $4x + 5 = 14$    
   $4x + 5 = 13$

Show your work

#8 Which equation does this set of algebra tiles represent?



- $4x + 1 = 7$    
   $x + 4 = 9$    
   $4x + 1 = 9$

Show your work

#9 Which equation does this set of algebra tiles represent?



- $x=5$    
   $x=2$    
   $3x=2$

Show your work

#10

Which equation does this set of algebra tiles represent?

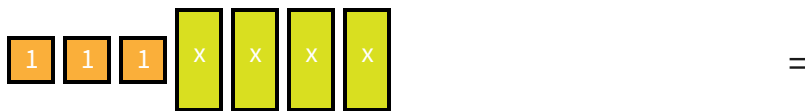


- $3x + 1 = 7$     
   $3x + 1 = 9$     
   $x + 3 = 7$

Show your work

#11

Which equation does this set of algebra tiles represent?



- $4x + 3 = 7$     
   $4x + 3 = 6$     
   $3x + 4 = 7$

Show your work

#12

Which equation does this set of algebra tiles represent?



- $5x = 17$     
   $6x = 20$     
   $5x = 20$

Show your work

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