Name:

#1

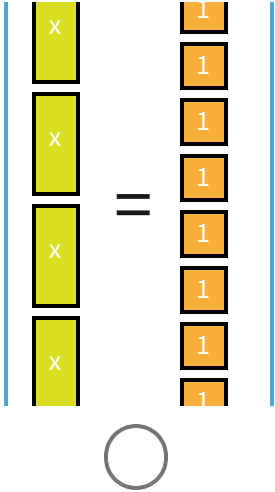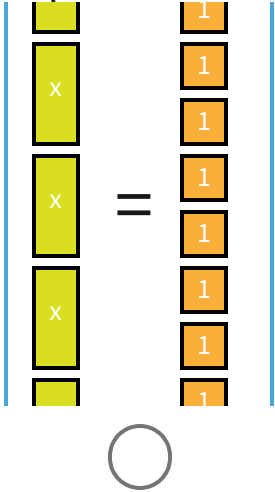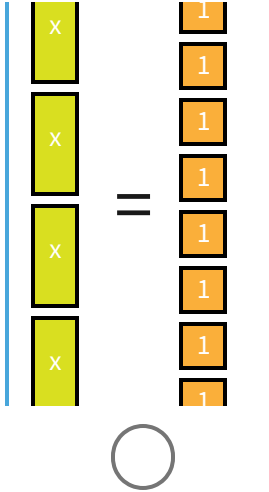### Which set of algebra tiles represents the equation: 4x=16

○   ○   ○

Show your work

#2

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

○   ○   ○

Show your work

#3

Which equation does this set of algebra tiles represent?

=

○ 3x=12   ○ 4x=12   ○ 4x=9

Show your work

Name:

#4

Which equation does this set of algebra tiles represent?

$$1 \quad 1 \quad x \quad x \quad x \qquad =$$

$$1 \quad 1 \quad 1 \quad 1 \quad 1$$

○ $3x + 2 = 5$ ○ $2x + 3 = 5$ ○ $3x + 2 = 7$

Show your work

#5

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

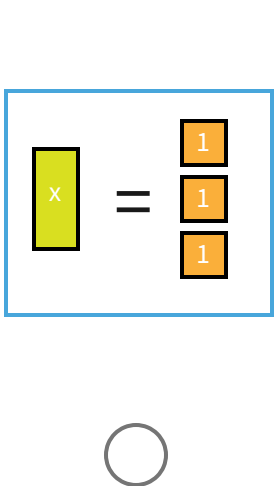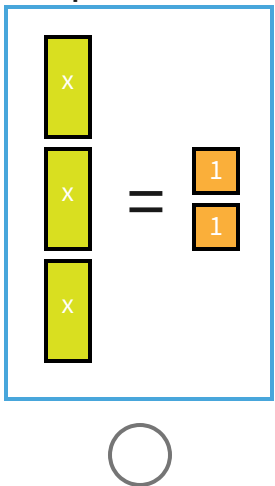$$x = \begin{matrix} 1 \\ 1 \end{matrix} \qquad \begin{matrix} x \\ x \end{matrix} = \begin{matrix} 1 \\ 1 \\ 1 \\ 1 \end{matrix} \qquad \begin{matrix} x \\ x \end{matrix} = \begin{matrix} 1 \\ 1 \end{matrix}$$

○   ○   ○
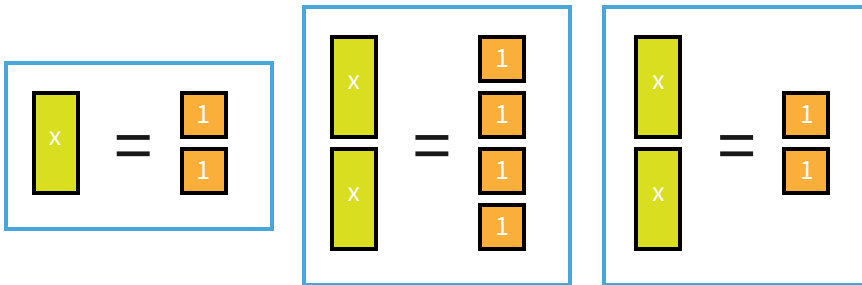
Show your work

#6

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

○   ○   ○
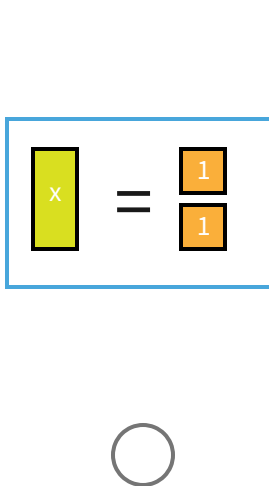
Show your work

#7

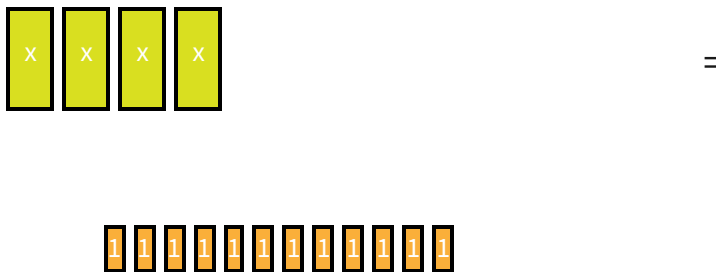### Which set of algebra tiles represents the equation: 2x=2

○   ○   ○

Show your work

#8

Which equation does this set of algebra tiles represent?
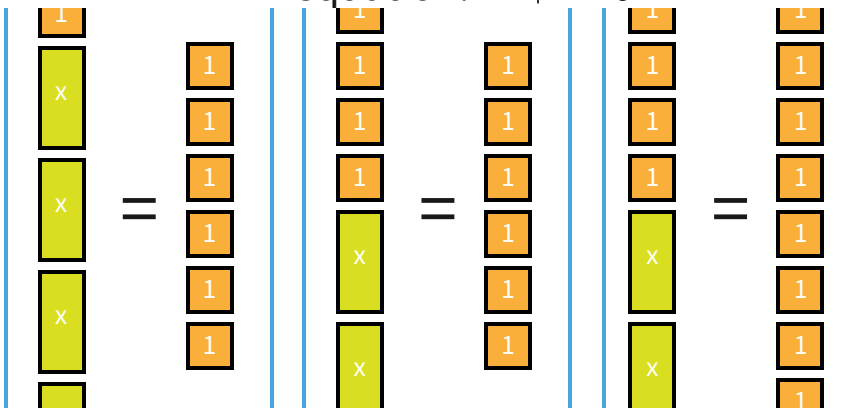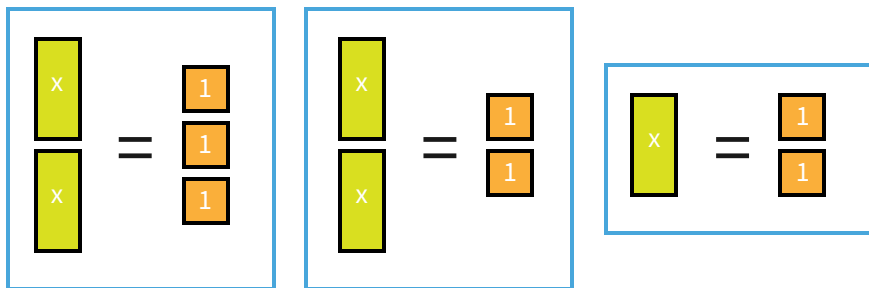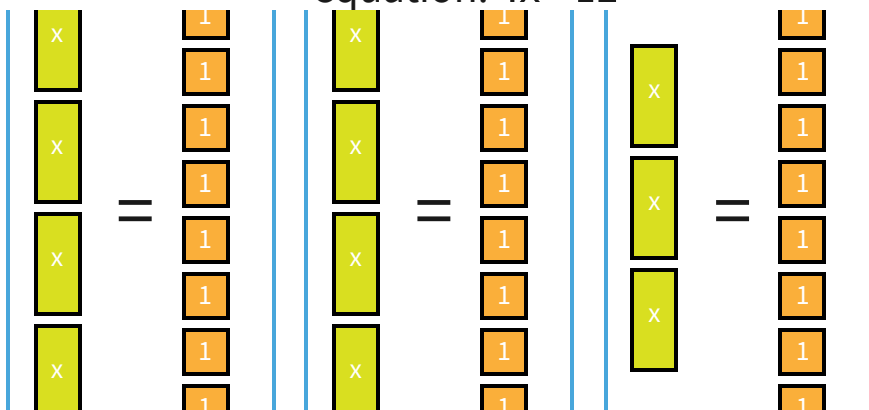

=

○ $5x + 3 = 11$ ○ $3x + 5 = 7$ ○ $3x + 5 = 11$

Show your work

#9

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

○   ○   ○

Show your work

Name:

#10

Which equation does this set of algebra tiles represent?

| 1 | x | x | x | =

| 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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

Show your work

#11

Which equation does this set of algebra tiles represent?

| x | x | x | x | x | =

| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

○ $5x = 15$ ○ $8x = 15$ ○ $5x = 11$

Show your work

#12

Which equation does this set of algebra tiles represent?

| 1 | 1 | 1 | 1 | 1 | x | x | x | =

| 1 1 1 1 1 1 1 1 1 1 1 |

○ $5x + 3 = 11$ ○ $3x + 5 = 14$ ○ $3x + 5 = 11$

Show your work

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