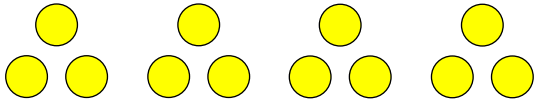


Name \_\_\_\_\_ # \_\_\_\_\_ Date \_\_\_\_\_

## enVision Math I.I - Relate Multiplication and Addition Practice

Complete 1 and 2. Use the pictures to help.

1.

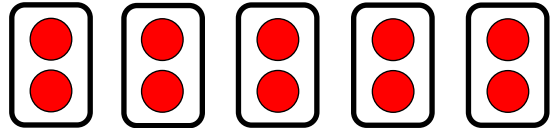


4 groups of \_\_\_\_\_

$$3 + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$4 \times \underline{\quad} = \underline{\quad}$$

2.



5 groups of \_\_\_\_\_

$$2 + 2 + 2 + 2 + \underline{\quad} = \underline{\quad}$$

$$5 \times \underline{\quad} = \underline{\quad}$$

Complete each equation. Use counters or draw a picture to help.

3.  $5 + 5 + 5 + 5 + 5 + 5 = 6 \times \underline{\quad}$

4.  $\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = 4 \times 7$

5.  $8 + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = 5 \times \underline{\quad}$

6.  $4 + 4 + 4 + 4 + 4 + 4 + 4 = \underline{\quad} \times \underline{\quad}$

7.  $\underline{\quad} + \underline{\quad} + \underline{\quad} = 3 \times 9$

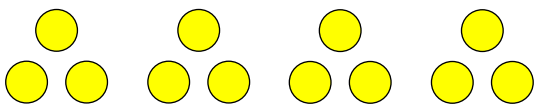
8.  $6 + 6 + 6 + 6 + 6 + 6 = \underline{\quad} \times \underline{\quad}$

## enVision Math I.1 - Relate Multiplication and Addition Practice

### Answer Key

Complete 1 and 2. Use the pictures to help.

1.

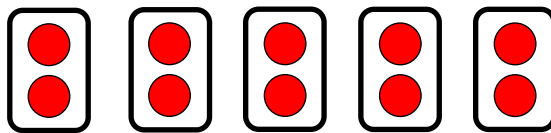


4 groups of 3

$$3 + \underline{3} + \underline{3} + \underline{3} = \underline{12}$$

$$4 \times \underline{3} = \underline{12}$$

2.



5 groups of 2

$$2 + 2 + 2 + 2 + \underline{2} = \underline{10}$$

$$5 \times \underline{2} = \underline{10}$$

Complete each equation. Use counters or draw a picture to help.

3.  $5 + 5 + 5 + 5 + 5 + 5 = 6 \times \underline{5}$

4.  $\underline{4} + \underline{4} + \underline{4} + \underline{4} = 4 \times 7$

5.  $8 + \underline{8} + \underline{8} + \underline{8} + \underline{8} = 5 \times \underline{8}$

6.  $4 + 4 + 4 + 4 + 4 + 4 + 4 = \underline{7} \times \underline{4}$

7.  $\underline{9} + \underline{9} + \underline{9} = 3 \times 9$

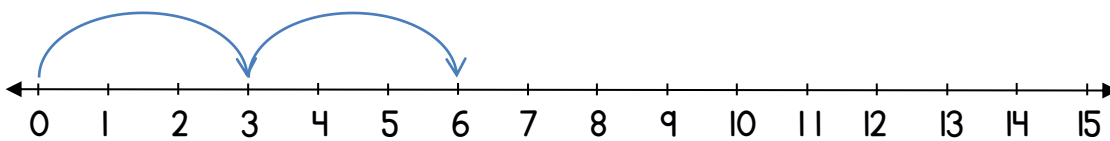
8.  $6 + 6 + 6 + 6 + 6 + 6 = \underline{6} \times \underline{6}$

Name \_\_\_\_\_ # \_\_\_\_\_ Date \_\_\_\_\_

## enVision Math 1.2 - Multiplication on the Number Line Practice

Show how you found the solution using the number line.

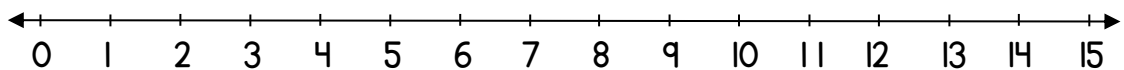
1. Martin has 5 boxes. He wants to put 3 books in each box. How many books will he need? Draw the remaining jumps on the number line with arrows to show how many books Martin will need.



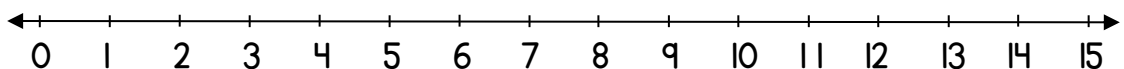
Martin will need \_\_\_\_\_ books.

Show the multiplication fact with arrows on the number line. Write the product.

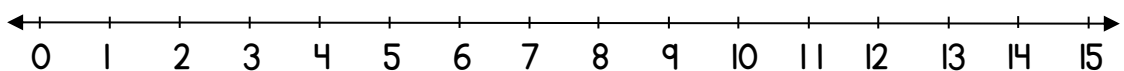
3.  $4 \times 2 =$  \_\_\_\_\_



4.  $2 \times 6 =$  \_\_\_\_\_



5.  $3 \times 4 =$  \_\_\_\_\_

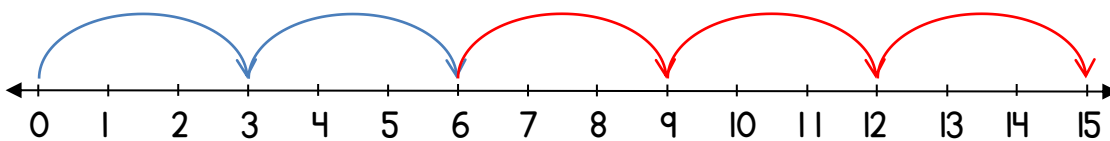


## enVision Math I.2 - Multiplication on the Number Line Practice

### Answer Key

Show how you found the solution using the number line.

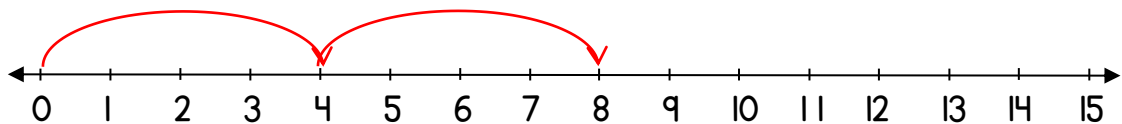
1. Martin has 5 boxes. He wants to put 3 books in each box. How many books will he need? Draw the remaining jumps on the number line with arrows to show how many books Martin will need.



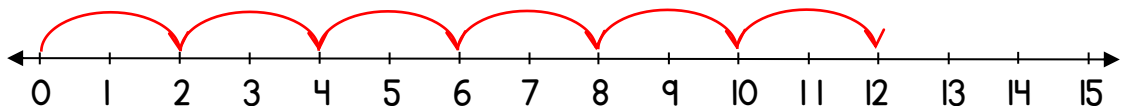
Martin will need 15 books.

Show the multiplication fact with arrows on the number line. Write the product.

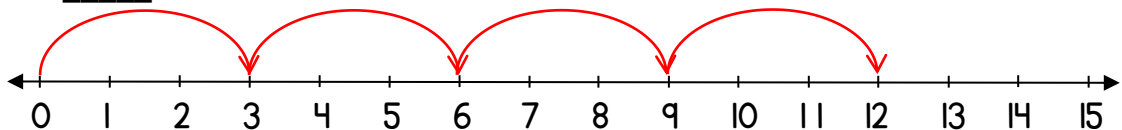
3.  $4 \times 2 =$  8



4.  $2 \times 6 =$  12



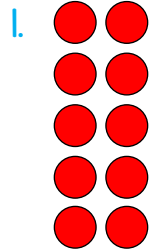
5.  $3 \times 4 =$  12



Name \_\_\_\_\_ # \_\_\_\_\_ Date \_\_\_\_\_

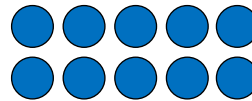
## enVision Math I.3 - Arrays and Properties Practice

Fill in the blanks to show skip counting and multiplication for each array.



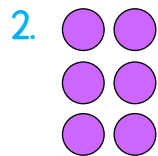
2, 4, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

$$5 \times \underline{\quad} = 10$$



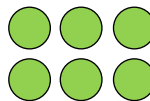
5, \_\_\_\_\_

$$2 \times \underline{\quad} = 10$$



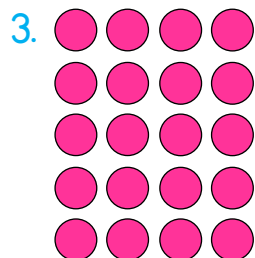
2, 4, \_\_\_\_\_

$$3 \times \underline{\quad} = 6$$



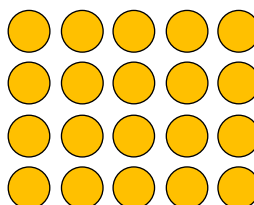
3, \_\_\_\_\_

$$2 \times \underline{\quad} = 6$$



4, 8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

$$5 \times \underline{\quad} = 20$$



5, 10, \_\_\_\_\_, \_\_\_\_\_

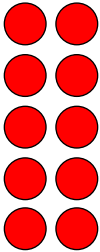
$$4 \times \underline{\quad} = 20$$

## enVision Math I.3 - Arrays and Properties Practice

### Answer Key

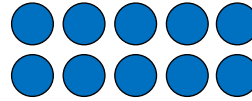
Fill in the blanks to show skip counting and multiplication for each array.

1.



2, 4, 6, 8, 12

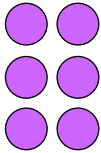
$$5 \times \underline{2} = 10$$



5, 10

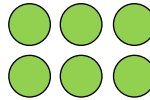
$$2 \times \underline{5} = 10$$

2.



2, 4, 6

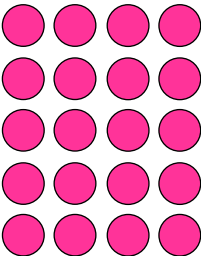
$$3 \times \underline{2} = 6$$



3, 6

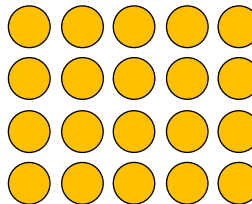
$$2 \times \underline{3} = 6$$

3.



4, 8, 12, 16, 20

$$5 \times \underline{4} = 20$$



5, 10, 15, 20

$$4 \times \underline{5} = 20$$

Name \_\_\_\_\_ # \_\_\_\_\_ Date \_\_\_\_\_

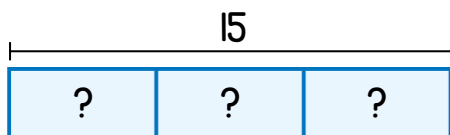
## enVision Math I.4 - Division: How Many in Each Group? Practice

Draw a picture to solve.

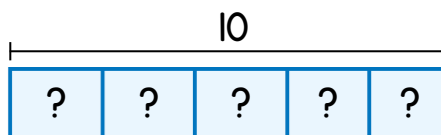
1. Fourteen stickers are shared equally on 2 pages of a book. How many stickers are on each page?
2. Twelve pencils are shared equally by 4 people. How many pencils does each person have?
3. Nine flowers are divided equally into 3 vases. How many flowers are in each vase?
4. Twenty pennies were shared equally by 5 people. How many pennies does each person have?

Complete each equation.

5.  $15 \div 3 = \underline{\quad}$



6.  $10 \div 5 = \underline{\quad}$



7.  $8 \div 2 = \underline{\quad}$

8.  $16 \div 4 = \underline{\quad}$

## enVision Math I.4 – Division: How Many in Each Group? Practice

### Answer Key

Draw a picture to solve.

1. Fourteen stickers are shared equally on 2 pages of a book. How many stickers are on each page?

Check students' drawings;  
7 stickers

2. Twelve pencils are shared equally by 4 people. How many pencils does each person have?

Check students' drawings;  
3 pencils

3. Nine flowers are divided equally into 3 vases. How many flowers are in each vase?

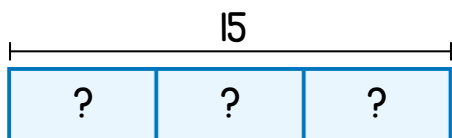
Check students' drawings;  
3 flowers

4. Twenty pennies were shared equally by 5 people. How many pennies does each person have?

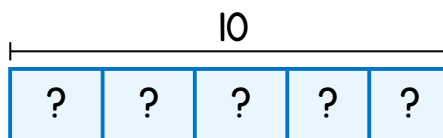
Check students' drawings;  
4 pennies

Complete each equation.

5.  $15 \div 3 = \boxed{5}$



6.  $10 \div 5 = \boxed{2}$



7.  $8 \div 2 = \underline{4}$

8.  $16 \div 4 = \underline{4}$

Name \_\_\_\_\_ # \_\_\_\_\_ Date \_\_\_\_\_

## enVision Math 1.5 - Division: How Many Equal Groups? Practice

Complete the equations.

1. Zayd takes 12 pictures. He puts 6 pictures in each photo album. How many photo albums does Zayd have?

$$12 - 6 = \underline{\quad}$$

$$\underline{\quad} - 6 = \underline{\quad}$$

$$\underline{\quad} \div 6 = \underline{\quad}$$

There are \_\_\_\_\_ photo albums.

2. The shelves in the closet hold 5 books each. There are 15 books. How many shelves are there?

$$15 - 5 = \underline{\quad}$$

$$\underline{\quad} - 5 = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

There are \_\_\_\_\_ shelves.

Use counters or draw a picture to solve.

3. Julie bought 24 crayons that came in boxes of 8 markers each. How many boxes did Julie buy?

4. Each dog gets 2 treats. There are 14 treats. How many dogs are there?

## enVision Math 1.5 - Division: How Many Equal Groups? Practice

### Answer Key

Complete the equations.

1. Zayd takes 12 pictures. He puts 6 pictures in each photo album. How many photo albums does Zayd have?

$$12 - 6 = \underline{6}$$

$$\underline{6} - 6 = \underline{0}$$

$$\underline{12} \div 6 = \underline{2}$$

There are 2 photo albums.

2. The shelves in the closet hold 5 books each. There are 15 books. How many shelves are there?

$$15 - 5 = \underline{10}$$

$$\underline{10} - 5 = \underline{5}$$

$$\underline{5} - \underline{5} = \underline{0}$$

$$\underline{15} \div \underline{5} = \underline{3}$$

There are 3 shelves.

Use counters or draw a picture to solve.

3. Julie bought 24 crayons that came in boxes of 8 markers each. How many boxes did Julie buy?

3 boxes

4. Each dog gets 2 treats. There are 14 treats. How many dogs are there?

7 dogs

Name \_\_\_\_\_ # \_\_\_\_\_ Date \_\_\_\_\_

## enVision Math I.6 – Use Appropriate Tools Practice

Twenty students are working in equal groups to paint murals for the school cafeteria. There are 4 students in each group. For each group of students, there needs to be 8 paint brushes. How many paint brushes are needed?

1. Choose a tool to represent the problem. Explain why you chose that tool.
2. Solve the problem. Explain how you used the tool you chose.
3. The murals need to be 7 feet tall. What tool could the students use to check that the posters are the correct size? Explain how they could use this tool.

## enVision Math I.6 - Use Appropriate Tools Practice

### Answer Key

Twenty students are working in equal groups to paint murals for the school cafeteria. There are 4 students in each group. For each group of students, there needs to be 8 paint brushes. How many paint brushes are needed? **Sample answers given.**

1. Choose a tool to represent the problem. Explain why you chose that tool.

**Counters; I can make arrays of different sizes.**

2. Solve the problem. Explain how you used the tool you chose.

**I made an array with 20 counters to show the students. I separated the array into 5 rows of 4 counters each. I wrote an 8 next to each row of 4 in the array to show the paint brushes. There were 5 groups of 8, so I knew 40 paint brushes were needed.**

3. The murals need to be 7 feet tall. What tool could the students use to check that the posters are the correct size? Explain how they could use this tool.

**Tape measure; They could measure the height of each mural to check that it is 7 feet tall.**