1. There are 4 flower beds in Max's yard. Three rosebushes grow in each flower bed. How many rosebushes are there? Draw circles to model the problem and explain how to solve it.

_____ rosebushes

2. Greta put 6 coins into each of 3 stacks. She wrote this number sentence to represent the total number of coins.

$$3 \times 6 = 18$$

What is a related number sentence that also represents the total number of coins she has?

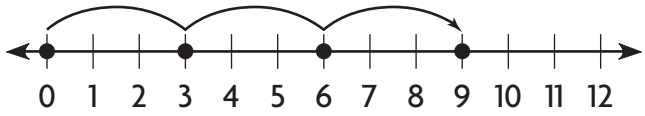
Ⓐ $6 \times 3 = \blacksquare$

Ⓑ $6 + 3 = \blacksquare$

Ⓒ $3 + 3 + 3 = \blacksquare$

Ⓓ $6 \times 6 = \blacksquare$

3. Cecile went fishing for three days at a lake. The first jump on the number line shows how many fish she caught the first day. She caught the same number of fish the next two days.



Write the multiplication sentence that the number line shows.

_____ × _____ = _____

GO ON

4. Ben drew an array to show the number of video games he has.

Write a multiplication sentence for the array.

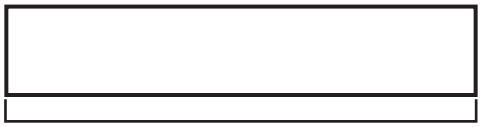
_____

5. Julissa makes 4 bracelets. She uses 9 charms on each bracelet.

For numbers 5a–5d, tell if the number sentence could be used to find the number of charms Julissa uses.

5a.	$4 + 9 = \square$	○ Yes	○ No
5b.	$3 + 3 + 3 + 3 = \square$	○ Yes	○ No
5c.	$9 + 9 + 9 + 9 = \square$	○ Yes	○ No
5d.	$4 \times 9 = \square$	○ Yes	○ No

6. Edith sorts buttons into 4 groups for her art project. Each group contains 6 buttons. How many buttons does Edith sort? Make a bar model to solve the problem.



____ buttons

7. Select the number sentences that show the Commutative Property of Multiplication. Mark all that apply.

Ⓐ $5 \times 2 = 5 + 5$

Ⓑ $6 \times 0 = 6$

Ⓒ $7 \times 5 = 5 \times 7$

Ⓓ $8 \times 1 = 1 \times 8$

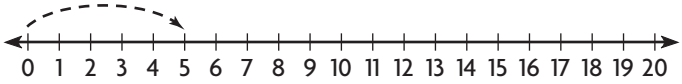
Ⓔ $9 \times 1 = 9$

GO ON

8. There are 5 tables in the library. Four students are sitting at each table. How many students are sitting in the library?

_____ students

9. Keisha needs 3 equal lengths of rope for a Field Day activity. The jump on the number line shows the length of one rope in yards. How many yards of rope does Keisha need?



_____ yards

10. Anna's mom makes 3 sandwiches every school day. Each sandwich gets 3 slices of cheese. How many slices of cheese will Anna's mom need for all the sandwiches she makes on 2 school days?

_____ slices of cheese

11. Angelo stacked 30 cans of soup collected during a food drive.

Select other ways Angelo could arrange the same number of cans. Mark all that apply.

(A) 1 row of 30

(B) 5 rows of 6

(C) 6 rows of 6

(D) 8 rows of 4

(E) 10 rows of 3

GO ON

12. Choose the number that makes the sentence true.

The product of any number and | 0 / 1 / 10 | is zero.

13. Ellen made this array to show that $2 \times 9 = 18$.

Part A

Ellen says that $9 \times 2 = 18$. Is Ellen correct? Draw an array to explain your answer.

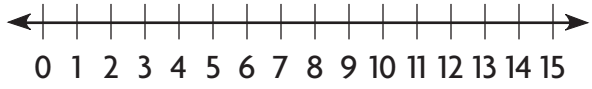
Part B

Which number property supports your answer? Explain.

_____

_____

14. Abdul has a collection of stamps. He puts the stamps in 2 equal groups. There are 7 stamps in each group. How many stamps does Abdul have? Use the number line to show your work.



_____ stamps

GO ON

15. Hudson and Asher each collect comic books.

Part A

Hudson sorts his comic books into 3 piles. Each group has 7 comic books. How many comic books does he have?

_____ comic books

Part B

Asher sorts his comic books into 4 piles. Each pile has 2 comic books in it. Write a multiplication sentence to show how many comic books Asher has.

Then find how many comic books Hudson and Asher have.

_____

_____ comic books

16. Aiden sees 4 lifeguard towers at the beach. Each tower has 1 lifeguard. Write a multiplication sentence to show the number of lifeguards Aiden sees.

_____ × _____ = _____

17. Jorge spends 7 minutes completing each of 4 puzzles. He can use 7×4 to find the total amount of time he spends on the puzzles.

For numbers 17a–17d, choose Yes or No to show which expressions are equal to 7×4.

17a.	$7 + 4$	○ Yes	○ No
17b.	$7 + 7 + 7 + 7$	○ Yes	○ No
17c.	$4 + 4 + 4 + 4 + 4 + 4 + 4$	○ Yes	○ No
17d.	$7 + 7 + 7 + 7 + 7 + 7 + 7$	○ Yes	○ No

GO ON

18. Maya buys 3 bags of dried pears. Each bag contains 6 dried pears.

Select the number sentences that show all the dried pears Maya buys. Mark all that apply.

Ⓐ $3 + 3 + 3 = 9$

Ⓑ $3 + 3 + 3 + 3 + 3 + 3 = 18$

Ⓒ $6 + 3 = 9$

Ⓓ $6 + 6 + 6 = 18$

Ⓔ $3 \times 6 = 18$

Ⓕ $9 + 9 = 18$

19. Javier is making 6 smoothies. He puts 4 strawberries and 1 banana in each smoothie.

Part A

Write the total number of strawberries and bananas he uses. Write a multiplication sentence for each.

_____ strawberries

_____ × _____ = _____

_____ bananas

_____ × _____ = _____

Part B

After making 6 smoothies, Javier has 9 strawberries and 4 bananas left. What is the greatest number of smoothies he can make with that fruit if he uses the same recipe for all the smoothies? Draw models and use them to explain.

At most, he can make _____ more smoothies.

STOP