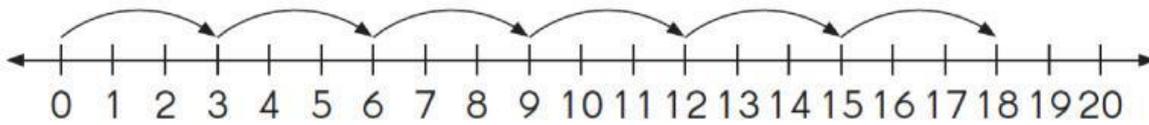


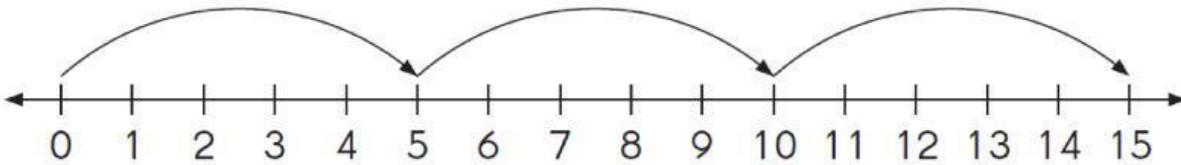
Unit 2

1. Look at the number line. Write the multiplication fact:



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

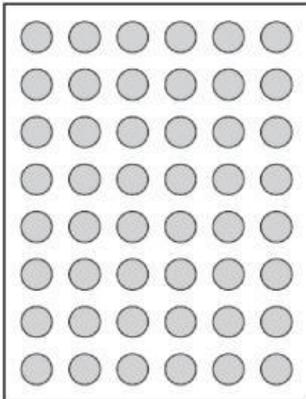
2. Look at the number line. Write the multiplication fact:



The number line shows _____ skips of _____.

$$\underline{\quad} \text{ skips of } \underline{\quad} = \underline{\quad} \text{ groups of } \underline{\quad}$$
$$= \underline{\quad}$$

3. Fill in the missing numbers. Use array models to help you:



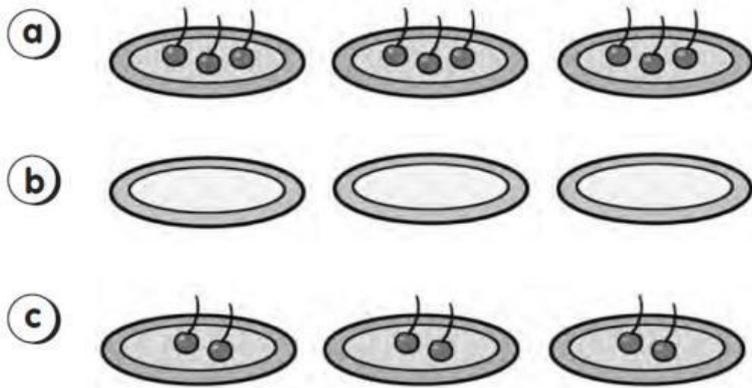
8 groups of 6 dots
= 5 groups of 6 dots +

_____ groups of 6 dots

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

$$= \underline{\quad}$$

4. Which diagram shows 3×2 ?



5. Solve:

A. $6 \times 6 =$

B. $6 \times 3 =$

C. $6 \times 5 =$

D. $7 \times 2 =$

E. $7 \times 4 =$

F. $7 \times 7 =$

6. Complete the number patterns:

A)

9 18 27 _____

B)

24 32 40 _____

7. Solve:

Rex puts equally 63 apples in 7 boxes. How many apples are there in each box?

8. Solve:

Michael buys 8 bottles of water. He pays \$6 for each bottle. How much does he pay in all?

9. Solve:

Martha shares a box of cookies with 4 other friends. There are 45 cookies in the box. How many cookies does each child get?

10. Multiply mentally. Fill in the missing numbers:

a. $4 \times 60 = 4 \times 6 \text{ tens}$
 $= \underline{\hspace{2cm}} \text{ tens}$
 $= \underline{\hspace{2cm}}$

b. $4 \times 600 = 4 \times 6 \text{ hundreds}$
 $= \underline{\hspace{2cm}} \text{ hundreds}$
 $= \underline{\hspace{2cm}}$

11. Multiply mentally:

a. $7 \times 90 = \underline{\hspace{2cm}}$

b. $7 \times 900 = \underline{\hspace{2cm}}$

c. $8 \times 20 = \underline{\hspace{2cm}}$

d. $8 \times 200 = \underline{\hspace{2cm}}$

12. Fill in the missing numbers:

$43 \times 2 = ?$

$\underline{\hspace{2cm}} \text{ ones} \times 2 = \underline{\hspace{2cm}} \text{ ones}$

$\underline{\hspace{2cm}} \text{ tens} \times 2 = \underline{\hspace{2cm}} \text{ tens}$

$$\begin{array}{r} 43 \\ \times 2 \\ \hline \end{array}$$

13. Multiply:

a.
$$\begin{array}{r} 202 \\ \times 4 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 110 \\ \times 5 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 100 \\ \times 7 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 101 \\ \times 9 \\ \hline \end{array}$$

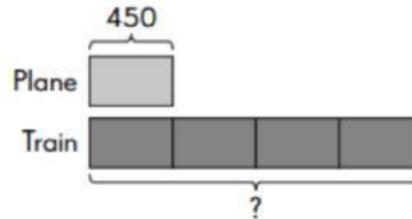
14. Regroup and multiply:

a.
$$\begin{array}{r} 134 \\ \times 7 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 152 \\ \times 6 \\ \hline \end{array}$$

15. Solve. Use bar models to help you:

A plane has 450 seats.
There are 4 times as many seats on the train as on the plane.
How many seats are there on the train?



16. Solve:

A refrigerator costs 5 times as much as a television.
The television costs \$429. What is the cost of the refrigerator?

17. Multiply:

$$\begin{array}{r} 591 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 747 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 163 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 256 \\ \times 9 \\ \hline \end{array}$$

18. Solve:

John has 84 erasers. Tommy has 3 times as many erasers as John. Kate has 22 more erasers than John.

- a. How many erasers does Tommy have?
- b. How many erasers does Kate have?

19. Solve:

Mr. Smith buys 12 pencils and a pencil case. Each pencil costs \$3. The pencil case costs \$11.
How much does Mr. Smith pay for the pencils and the pencil case?

20. Solve:

Tommy has 9 boxes. Each box contains 127 books.
How many books does Tommy have?

Unit 3

1. Think of related multiplication facts. Then divide:

$3 \times \underline{\quad\quad\quad} = 18 \qquad 18 \div 3 = \underline{\quad\quad\quad}$

 $5 \times \underline{\quad\quad\quad} = 35 \qquad 35 \div 5 = \underline{\quad\quad\quad}$

2. Decide whether the following numbers are odd or even:

88

41

25

99

32

100

3. Complete:

Megan uses the digits 6, 3, 0, and 7.
Help Megan form the:

a. greatest 4-digit odd number.

b. greatest 4-digit even number.

c. smallest 4-digit odd number.

d. smallest 4-digit even number.

4. Complete each division sentence:

$24 \div 3 = \underline{\quad\quad\quad}$

$420 \div 7 = \underline{\quad\quad\quad}$

$7,200 \div 8 = \underline{\quad\quad\quad}$

 $21 \div 7 = \underline{\quad\quad\quad}$

$560 \div 8 = \underline{\quad\quad\quad}$

$1,500 \div 3 = \underline{\quad\quad\quad}$

5. Fill in the missing numbers:

$48 \div 2 = ?$

Step 1 Divide the tens.

$\square \text{ tens} \div 2 = \square \text{ tens}$

Step 2 Divide the ones.

$\square \text{ ones} \div \square = \square \text{ ones}$

$\text{So, } 48 \div 2 = \square$