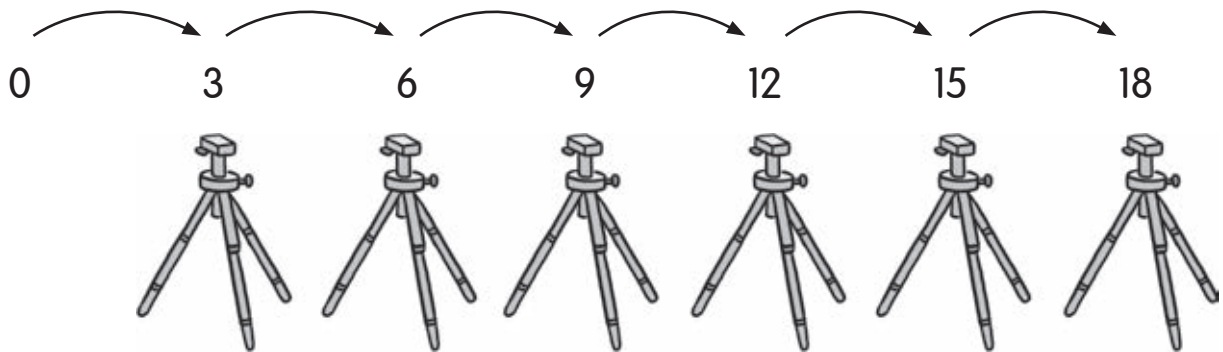# CHAPTER 15 Multiplication Tables of 3 and 4

Lesson 1   Multiplying 3: Skip-Counting

Count by 3s.
Then fill in the blanks.

1.   Each tripod has 3 legs.
How many legs do 6 tripods have?

0   3   6   9   12   15   18

6 × 3 = _____

6 tripods have _____ legs.

Use skip-counting to find the missing numbers.

2.   9, _____, _____, _____, 21, 24

3.   21, 24, _____, _____, _____, 36

Find the missing numbers.

4. 5 groups of 3 = _____ × 3

= _____

5. 9 groups of 3 = _____ × 3

= _____

Multiply by 3 to find the missing numbers.

6. 3 × 3 = _____   **7.** 6 × 3 = _____

8. 8 × 3 = _____   **9.** 10 × 3 = _____

Solve.

10. Peter bought 3 jars of jam.
Each jar of jam cost $3.
How much did the jars of jam cost in all?

The jars of jam cost $_____ in all.

11. There are 7 boxes.
Each box has 3 pencils in it.
How many pencils are there in all?

There are _____ pencils in all.

12. There are 9 shelves on a bookshelf.
Each shelf has 3 books on it.
How many books are there in all?

There are _____ books in all.

13. Angie has 7 pouches.
Each pouch has 3 bracelets.
How many bracelets are there in all?

There are _____ bracelets in all.

14. A pet shop has 10 fish tanks.
Each fish tank has 3 fish.
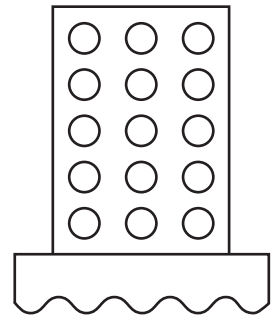How many fish are there in all?

There are _____ fish in all.
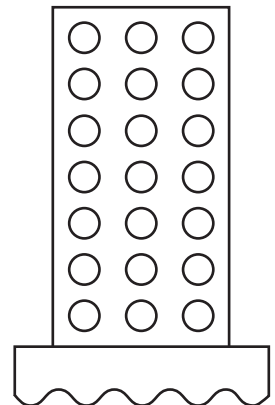
Lesson 2   Multiplying 3: Using Dot Paper

Use dot paper to solve.

1. There are 5 cakes.
Each cake is cut into 3 pieces.
How many pieces of cake are there in all?

There are _____ pieces of cake in all.

2. There are 7 children.
Each child has 3 granola bars.
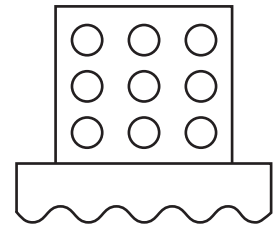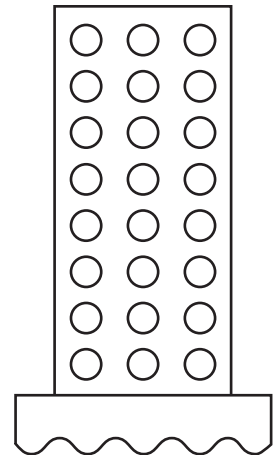How many granola bars do they have in all?

They have _____ granola bars in all.

3. Jolere bakes 3 muffins.
She cuts each muffin into 3 pieces.
How many pieces of muffin are there in all?

There are _____ pieces of muffin in all.

4. There are 8 key chains.
Each key chain has 3 keys.
How many keys are there in all?

There are _____ keys in all.

Use dot paper to help you match.

5.   6 × 3 ●   ● 27 + 3

6.   8 × 3 ●   ● 15 + 3

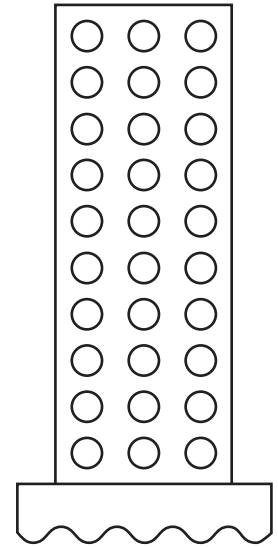**7.**   10 × 3 ●   ● 30 − 3

8.   9 × 3 ●   ● 30 − 6

Use facts you know to find the missing numbers.

9.   9 × 3 = ?
         Start with 10 groups of 3.
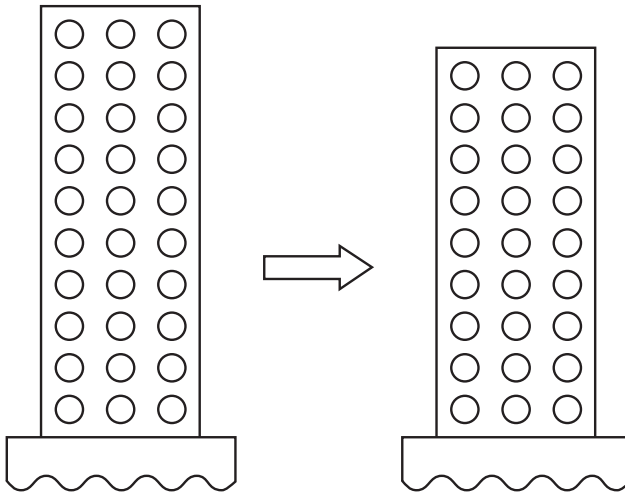
10 × 3 = _____   9 × 3 = 10 groups of 3 − 1 group of 3

                          = _____ − _____

                          = _____

10. $7 \times 3 = 5$ groups of $3 + 2$ groups of 3

$$= \text{_____} + \text{_____}$$

$$= \text{_____}$$
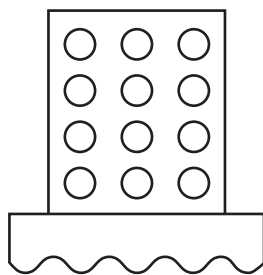
Use dot paper to find the missing numbers.

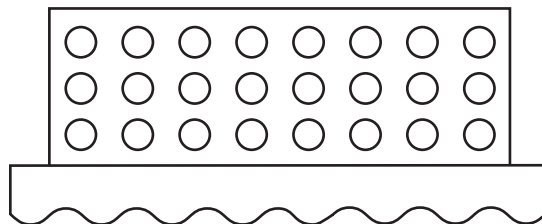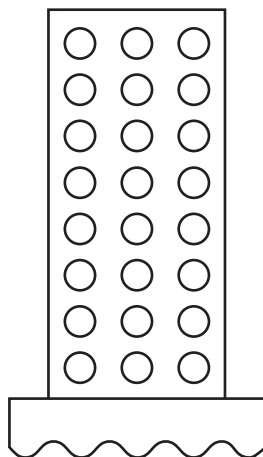**11.** $4 \times 3 =$ _____ $3 \times 4 =$ _____
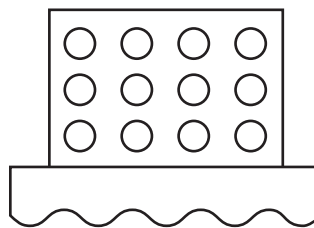
12. $8 \times 3 =$ _____ $3 \times 8 =$ _____

Lesson 3   Multiplying 4: Skip-Counting
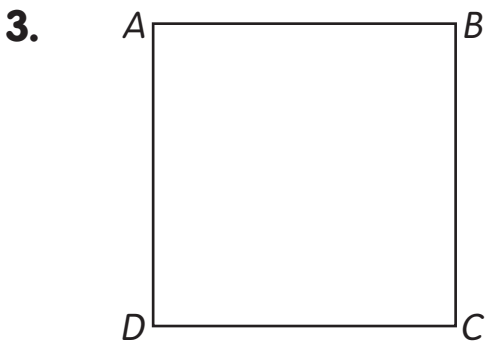
Count by 4s.
Fill in the blanks.

I have 4 legs.

1. _____, 12, 16, _____, _____, 28, _____

2. _____, 20, _____, _____, 32, _____, 40

Use skip-counting to find the missing numbers.

3. A ___ B

A square has 4 sides.

D ___ C

Number of squares	1	2	3	4	5	6	7			10
Number of sides	4		12					32	36	

Solve.

4.   There are 4 stickers on one sheet.
        There are 4 sheets of stickers.
        How many stickers are there in all?

$4 \times 4 =$ _____

There are _____ stickers in all.

5.   Mrs. Ross buys 6 T-shirts.
        Each T-shirt costs $4.
        How much do the T-shirts cost in all?

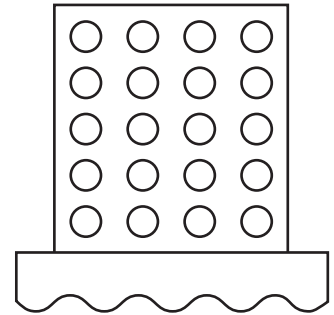$6 \times 4 =$ _____

The T-shirts cost $_____ in all.

Lesson 4 Multiplying 4: Using Dot Paper

Use dot paper to solve.

1. There are 5 bags of marbles.
Each bag has 4 marbles.
How many marbles are there in all?

5 × 4 = _____

There are _____ marbles in all.

2. Peter, Jack, and Sam are Mrs. Hill's children.
She gives each child 4 cookies.
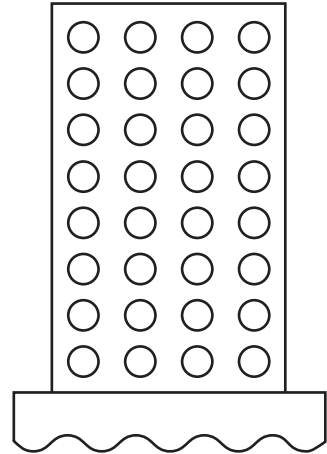How many cookies does she give in all?
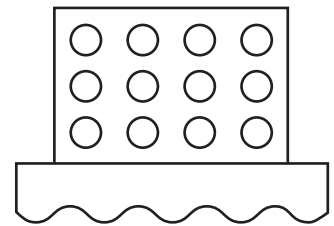
She gives _____ cookies in all.

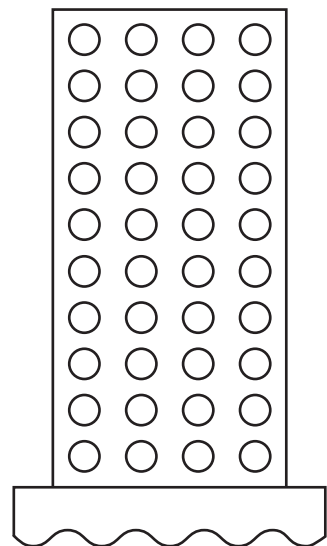**3.**   Mrs. Turner buys 8 shirts.
        Each shirt has 4 buttons.
        How many buttons are there in all?

        There are _____ buttons in all.

4.   Mr. Vasquez uses 4 flowers to make each lei.
        He makes 10 leis.
        How many flowers does Mr. Vasquez use in all?
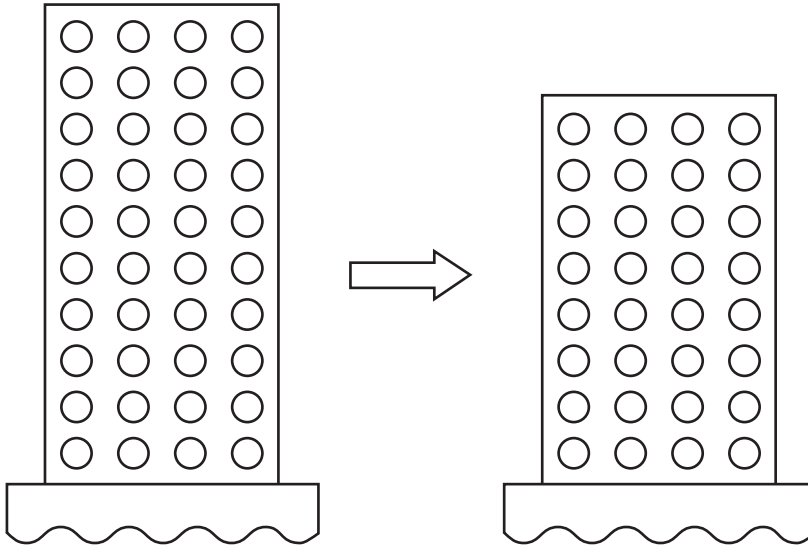
        Mr. Vasquez uses _____ flowers in all.

Use facts you know to find the missing numbers.

5. $8 \times 4 = ?$
Start with 10 groups of 4.

10 × 4 = _____ $8 \times 4 = 10$ groups of 4 − 2 groups of 4

                                                    = _____ − _____

                                                    = _____

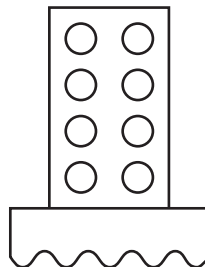**6.** $6 \times 4 = 5$ groups of 4 + 1 group of 4

                    = _____ + _____
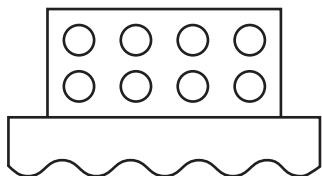
                    = _____

Use dot paper to find the missing numbers.
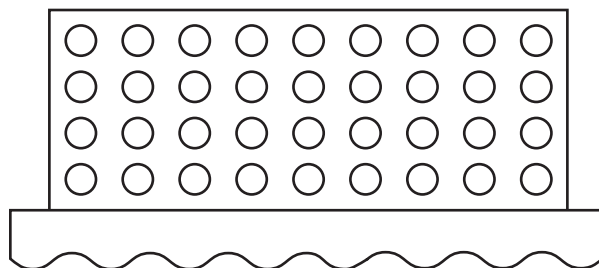
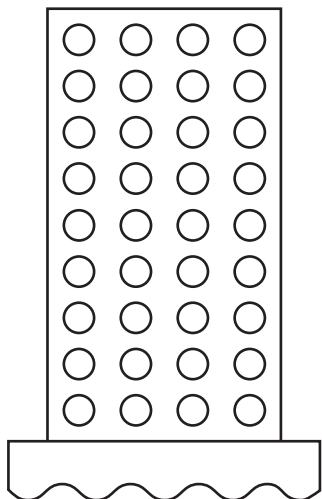**7.** $2 \times 4 =$ _____ $4 \times 2 =$ _____

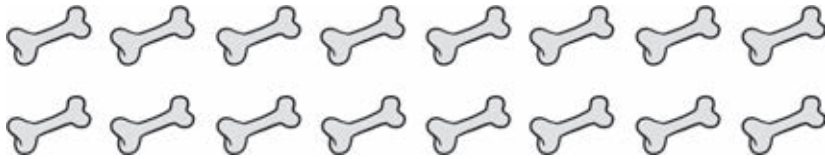**8.** $9 \times 4 =$ _____ $4 \times 9 =$ _____

Lesson 5   Divide Using Related Multiplication Facts

Find the missing numbers.
Use related multiplication facts to help you divide.

1.   Divide 16 bones into 2 equal groups.
How many bones are there in each group?

$2 \times$ _____ = 16

So, $16 \div 2 =$ _____

There are _____ bones in each group.

2.   Divide 21 birds into 3 equal groups.
How many birds are there in each group?

$3 \times$ _____ = 21

So, $21 \div 3 =$ _____

There are _____ birds in each group.

Find the missing numbers.
Then write three related number sentences.
Write one multiplication sentence and two division sentences.

3. $5 \times 3 =$ _____

$3 \times 5 =$ _____

_____ $\div 3 =$ _____

_____ $\div 5 =$ _____

4. $5 \times 4 =$ _____

$4 \times 5 =$ _____

_____ $\div 4 =$ _____

_____ $\div 5 =$ _____

Use the numbers below to form multiplication and division sentences.

24   4   6

10   30   3

5.   _____ × _____ = _____   _____ × _____ = _____

_____ ÷ _____ = _____   _____ ÷ _____ = _____

6.   _____ × _____ = _____   _____ × _____ = _____

_____ ÷ _____ = _____   _____ ÷ _____ = _____

Find the missing numbers.
Then write three related number sentences.
Write one multiplication sentence and two division sentences.

7. $6 \times 3 =$ _____

_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____

8. $9 \times 4 =$ _____

_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____

Use related multiplication facts to solve.

9.   Divide 24 muffins equally among 4 boys.
How many muffins does each boy get?

Each boy gets _____ muffins.

10.   Danny has 27 apples.
He puts 3 apples on each plate.
How many plates are there?

There are _____ plates.

11.   The science teacher gives out 40 leaves to her students.
Each student gets 4 leaves.
How many students are there?

There are _____ students.

Put on Your Thinking Cap!

1. Circle all the numbers that can be exactly divided by 3.

24	12	21	5
13	30	27	18
16	23	10	29
15	25	8	9

Add the digits of each number that you circled.

What do you notice about each sum?

_____