CHAPTER 5 Multiplication and Division
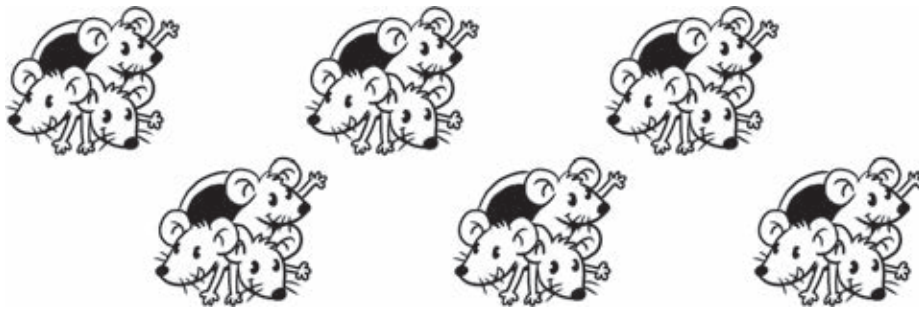
Practice 1   How to Multiply

Count, add, and write the number of animals in each group. Then multiply.
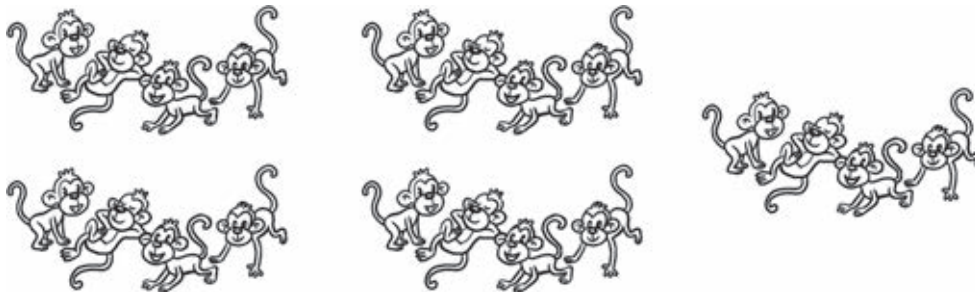
Example

$3 + 3 + 3 + 3 + 3 + 3 =$ ___*18*___

6 threes = ___*18*___ $6 \times 3 =$ ___*18*___

1.

_____ + _____ + _____ + _____ + _____ = _____

_____ groups of _____ monkeys = _____

_____ × _____ = _____

Count, add, and write the number of animals in each group. Then multiply.

2.

_____ + _____ + _____ + _____ = _____

_____ groups of _____ chicks = _____

_____ × _____ = _____

3.

____ + ____ + ____ + ____ + ____ + ____ = _____
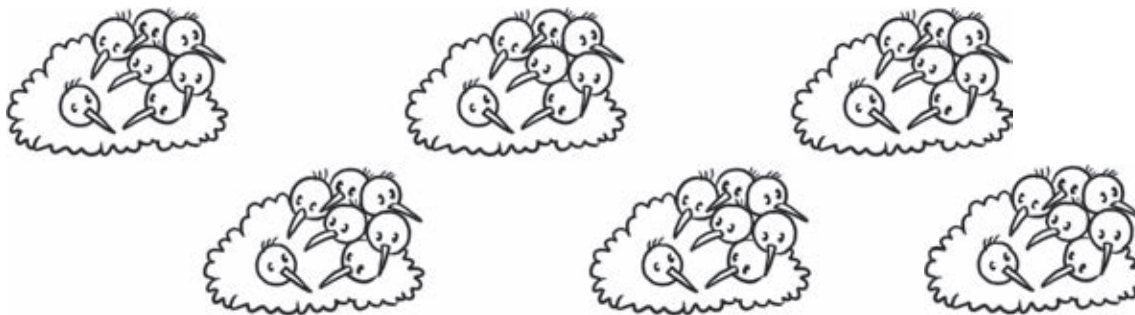
_____ groups of _____ birds = _____

_____ × _____ = _____

Practice 2   How to Multiply

Look at the addition and multiplication sentences.
Fill in the blanks.

Example

How many bowls are there? _____4_____

How many fish are in each bowl? _____6_____

How many fish are there in all?

_____4_____ × _____6_____ = _____24_____

There are _____24_____ fish in all.
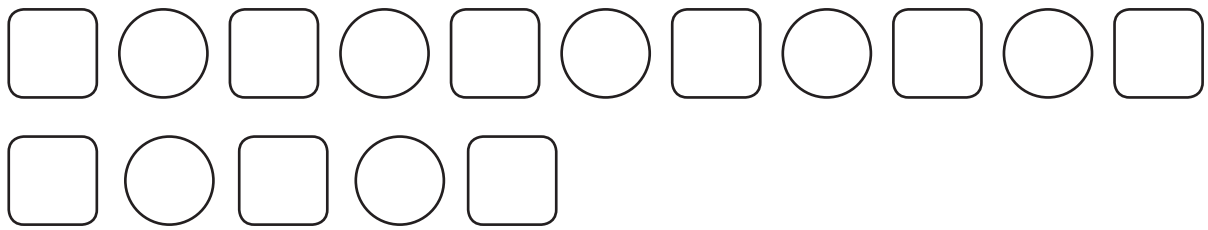
1.   5 + 5 + 5 = 15

3 × 5 = 15

Patrick has _____ groups of balloons.

Each group has _____ balloons.

There are _____ balloons in all.

Write the addition and multiplication sentences.
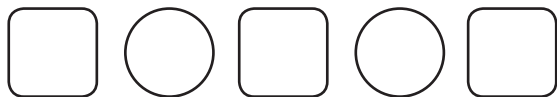**Fill in the blanks.**

2.

Marcus has _____ groups of ties.
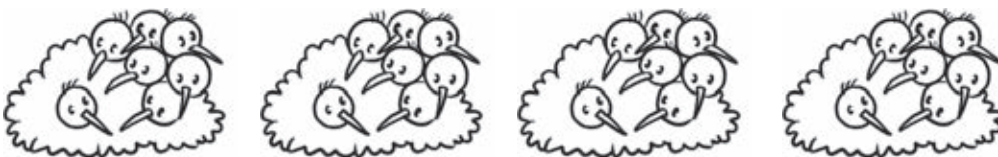
Each group has _____ ties.

There are _____ ties in all.

Tell multiplication stories.
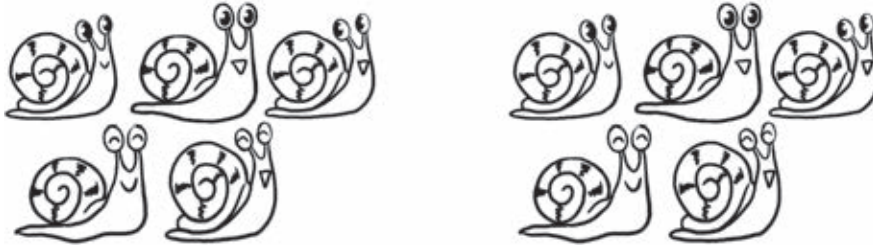**Then write the multiplication sentences.**

3.

4.

Practice 3   How to Divide

Find the number of items in each group.

Example

Divide 10 snails into 2 equal groups.

10 ÷ _____2_____ = _____5_____

There are _____5_____ snails in each group.

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1.   Divide 15 books into 3 equal stacks.

15 ÷ _____ = _____

There are _____ books in each stack.

2.   Divide 15 eggs equally into 5 nests.

15 ÷ _____ = _____

There are _____ eggs in each nest.

Find the number of groups.
Fill in the blanks.

Example

Divide 15 pancakes so there are 3 pancakes in each group.
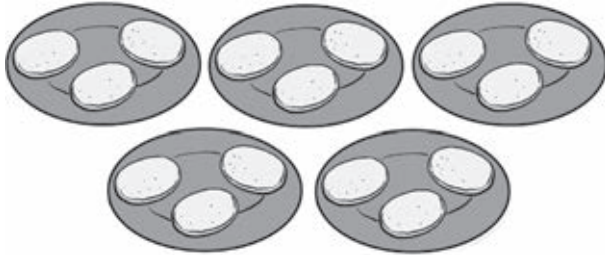
Subtract groups of 3 until there is nothing left.

$15 -$ _____ 3 $-$ _____ 3 $-$ _____ 3 $-$ _____ 3 $-$ _____ 3 $=$ _____ 0

How many times do you subtract groups of 3? _____ 5

$15 \div 3 =$ _____ 5

There are _____ 5 groups.

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3. Divide 12 beads into groups of 4.

Subtract groups of 4 until there are none left.

$12 -$ _____ $-$ _____ $-$ _____ $= 0$

How many times did you subtract groups of 4? _____

$12 \div$ _____ $=$ _____

There are _____ groups of 4 beads.

4. Divide 14 frozen yogurt cones into groups of 7.
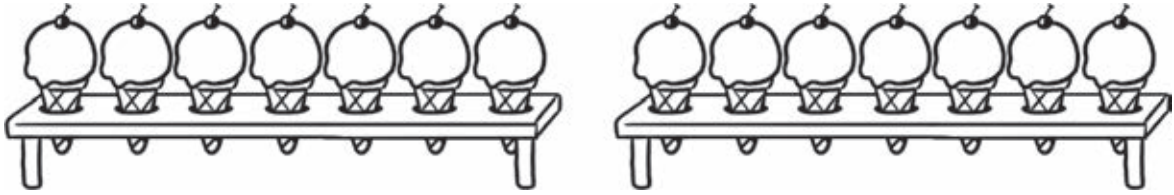
14 − _____ − _____ = 0

14 ÷ _____ = _____

There are _____ groups of 7 frozen yogurt cones.

5. Put 20 oranges onto plates with 5 on each plate.
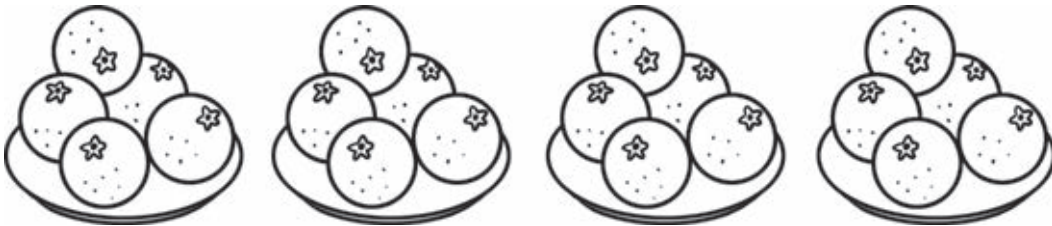
20 − _____ − _____ − _____ − _____ = 0

20 ÷ _____ = _____

There are _____ plates of 5 oranges.

6. Put 24 glasses onto trays with 6 on each tray.

24 – _____ – _____ – _____ – _____ = 0

24 ÷ _____ = _____

There are _____ trays of 6 glasses.

7. Put 8 cookies onto plates with 2 on each tray.

8 – _____ – _____ – _____ – _____ = 0

8 ÷ _____ = _____

There are _____ plates of 2 cookies.

Practice 4   Real-World Problems: Multiplication and Division

Solve.

1.   There are 2 plates.
Each plate has 5 strawberries.
How many strawberries are there?

5 + 5 = _____

2 × 5 = _____
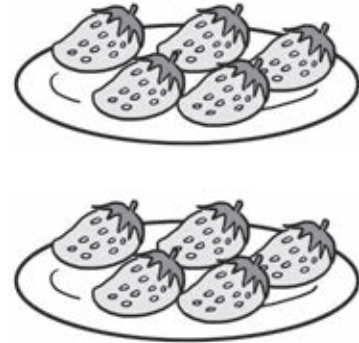
There are _____ strawberries.

2.   There are 6 bags.
Each bag has 3 pockets.
How many pockets are there?

☐ + ☐ + ☐ + ☐ + ☐ + ☐ = ☐

☐ ◯ ☐ ◯ ☐

There are _____ pockets.

3. Tim has 4 jars.
There are 6 marbles in each jar.
How many marbles does Tim have altogether?

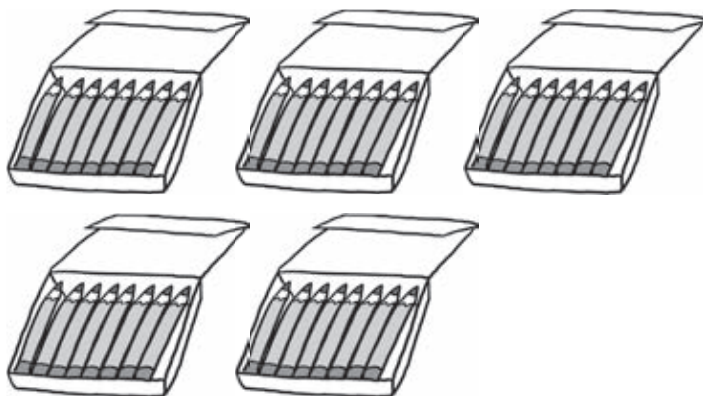|			

$\boxed{} + \boxed{} + \boxed{} + \boxed{} = \boxed{}$

$\boxed{} \times \boxed{} = \boxed{}$
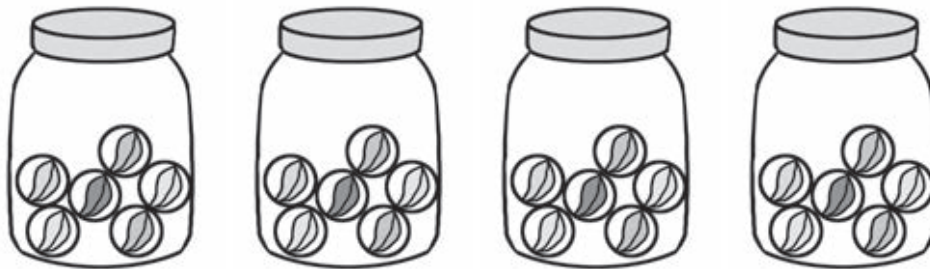
Tim has _____ marbles altogether.

4. Yanthi has 5 boxes.
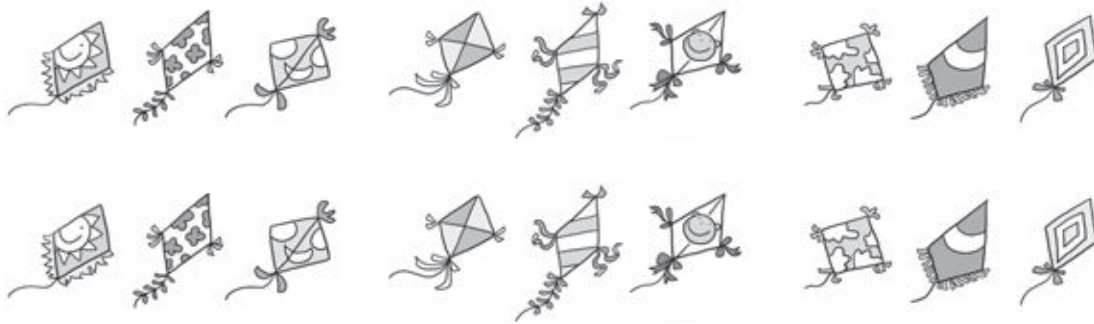There are 8 pencils in each box.
How many pencils does she have altogether?

$\boxed{} \bigcirc \boxed{} \bigcirc \boxed{}$

Yanthi has _____ pencils altogether.

Name: _____   **Date:** _____

5.

Aunt Emma buys 18 kites.
She gives 3 kites to each of her nephews.
How many nephews does Aunt Emma have?

_____ – _____ – _____ – _____ – _____ – _____ – _____ = 0

_____ ÷ _____ = _____

Aunt Emma has _____ nephews.

6.
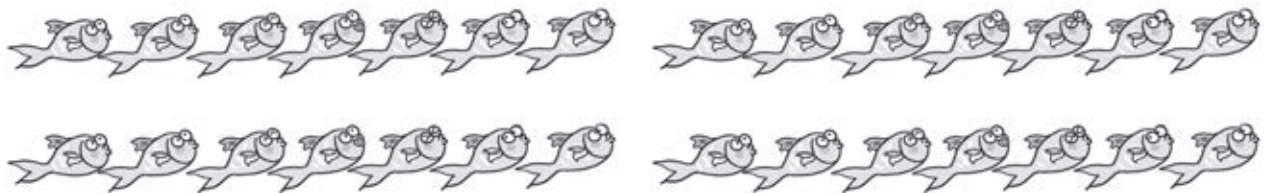
Mr. O'Brien catches 28 fish.
He puts 7 fish in each bucket.
How many buckets does he have?

_____ – _____ – _____ – _____ – _____ = 0

_____ ÷ _____ = _____

He has _____ buckets.
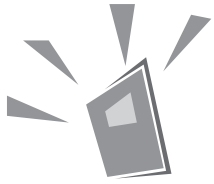
Math Journal

Look at the picture.

Put 12 stars into equal groups in different ways.
What are the multiplication sentences and division sentences that you can write?
Draw circles around the stars to help you.

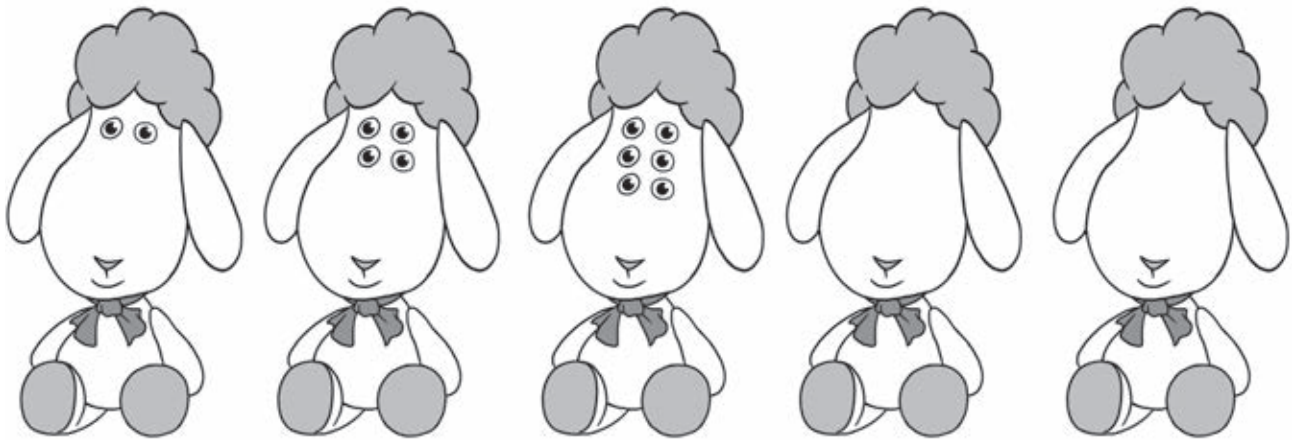☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆

Put On Your Thinking Cap!

Challenging Practice

Maya is making silly stuffed animals.
Study the number of eyes each stuffed animal has.
Find a pattern.
Then draw the eyes Maya will put on the last two stuffed animals.

Put On Your Thinking Cap!

Problem Solving

An open jar has 36 sugar cubes inside.
Mighty Ant takes 4 days to carry all the sugar cubes back to his nest.
He carries the same number of sugar cubes each day.
How many sugar cubes does he carry each day?

I can solve this problem by drawing a picture or by acting it out with cubes.
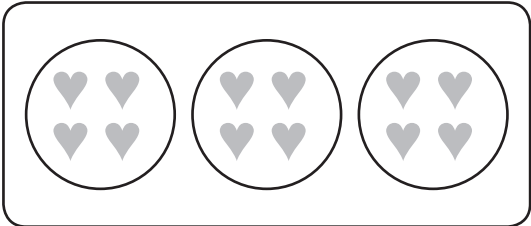
Chapter Review/Test

Vocabulary
Match.

1.

$18 \div 2 = 9$	repeated addition
$\times$	multiply
$6 \times 4 = 24$	division sentence
$\div$	multiplication story
There are 3 groups of 2 gloves. $3 \times 2 = 6$ There are 6 gloves.	equal groups
$3 \times 7 = 7 + 7 + 7$	divide
	multiplication sentence
$15 - 3 - 3 - 3 - 3 - 3 = 0$ Subtract groups of three 5 times. So, $15 \div 3 = 5$	repeated subtraction
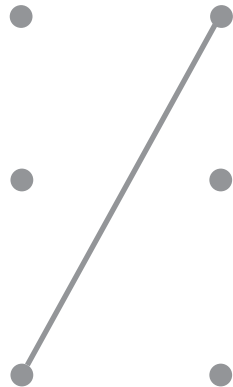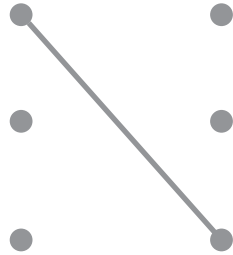
Concepts and Skills

Fill in the ◯ **with +, −, ×, or ÷.**

2. 6 groups of 2 = 6 ◯ 2

3. 8 ◯ 4 = 32

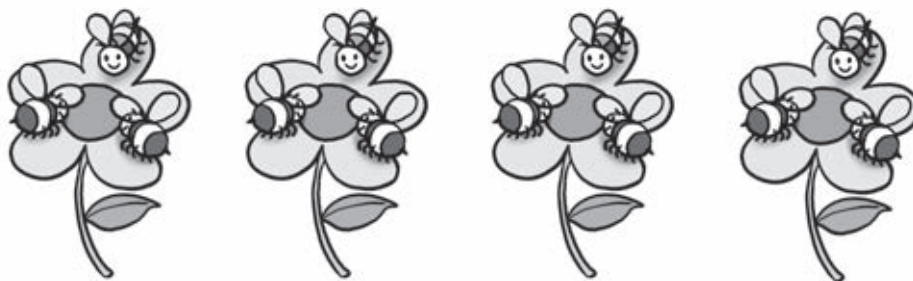**4.** 3 × 5 = 5 ◯ 5 ◯ 5

5. 20 ◯ 4 ◯ 4 ◯ 4 ◯ 4 ◯ 4 = 0

6. 20 ◯ 5 = 4

7. 15 ◯ 3 = 5

Find the missing numbers.

8.

_____ groups of _____ = _____

4 × 3 = _____

There are _____ bees on the flowers in all.

9.

$7 \times 4 =$ _____
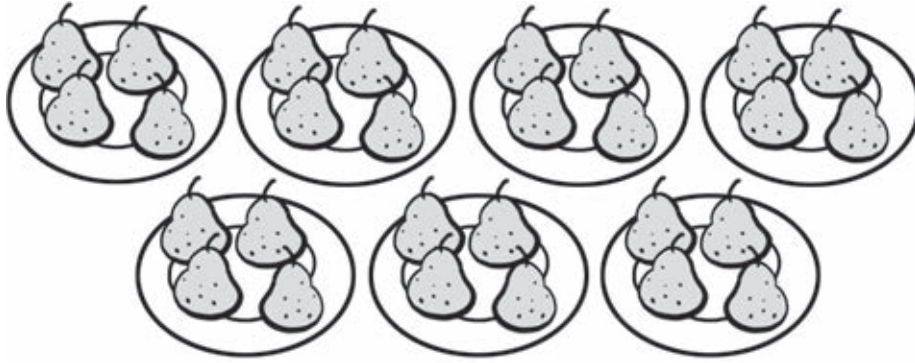
There are _____ pears on the plates in all.

10.

$10 \times 2 =$ _____

There are _____ toothbrushes in all.

11.

_____ $\times$ _____ = _____
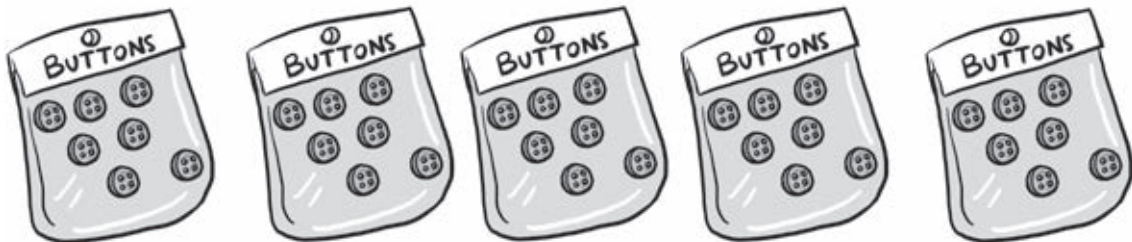
There are _____ buttons in all.

Find the missing numbers.

12. Divide 8 bananas onto 4 plates equally.

$8 \div 4 =$ _____

13. Divide 20 marbles into 5 equal groups.

$20 \div 5 =$ _____

14. Divide 18 stamps into groups of 2.

$18 \div 2 =$ _____

15. Divide 24 almonds into groups of 3.

$24 \div 3 =$ _____

Problem Solving
Solve.

16. Every day, Mr. Smith collects 3 eggs from his chickens.
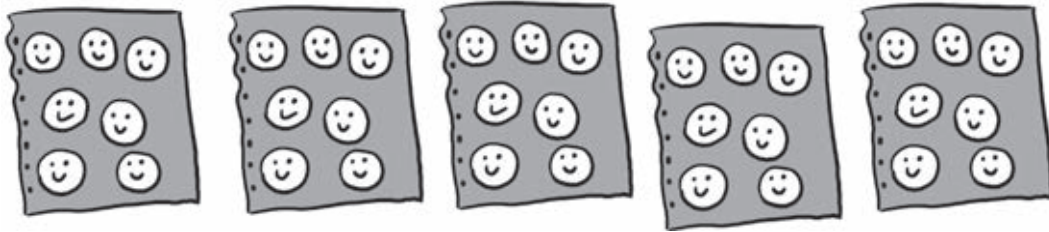How many eggs does he collect in a week?

Mr. Smith collects _____ eggs in a week.

17. There are 3 baskets.
Each basket contains 4 loaves of bread.
How many loaves of bread are there in all?

There are _____ loaves of bread in all.

18. Meg has 35 stickers.
She has an album with 5 pages.
She puts an equal number of stickers on each page.
How many stickers are on each page?

There are _____ stickers on each page.

19. Mrs. Barker has 30 star stickers.
She gives each student 5 star stickers.
How many students are there?

There are _____ students.