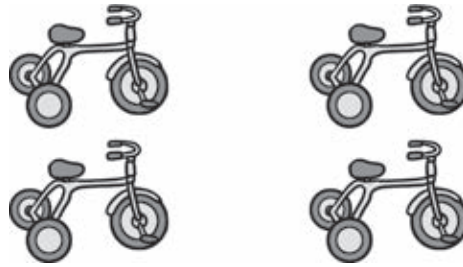# CHAPTER 5 Multiplication and Division

Lesson 1   How to Multiply

Look at the pictures.
Fill in the blanks.

1.   A tricycle has 3 wheels.
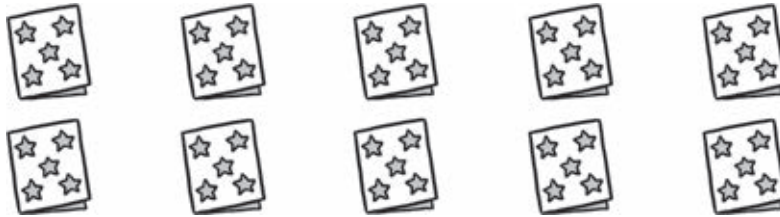   How many wheels do 4 tricycles have?

        4 threes = _____   4 × 3 = _____

        4 tricycles have _____ wheels.

2.   There are 5 stars on each card.
        How many stars are there on 10 cards?

        10 fives = _____   10 × 5 = _____
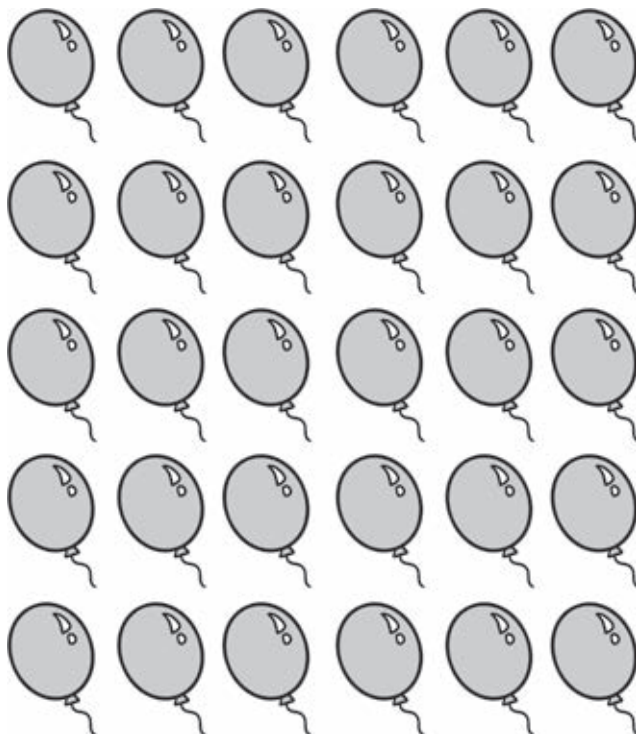
        There are _____ stars on 10 cards.

Count and add the number of balloons in each line.
Then multiply.

3.

6 + 6 + 6 + 6 + 6 = _____

_____ × 6 = _____

You can use repeated addition or multiplication to find the total number of things that are in equal groups.

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

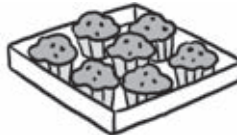**4.** $8 + 8 + 8 + 8 = 32$
         $4 \times 8 = 32$

Twyla has _____ groups of apples.

Each group has _____ apples.

There are _____ apples in all.

5. $7 + 7 + 7 = 21$
         $3 \times 7 = 21$

Louis has _____ groups of muffins.

Each group has _____ muffins.

There are _____ muffins in all.
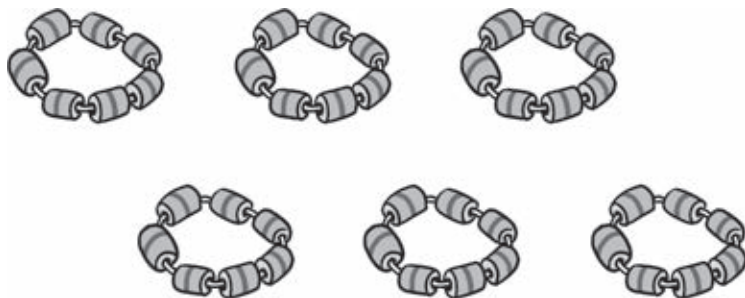
Write the multiplication sentences.
Fill in the blanks.

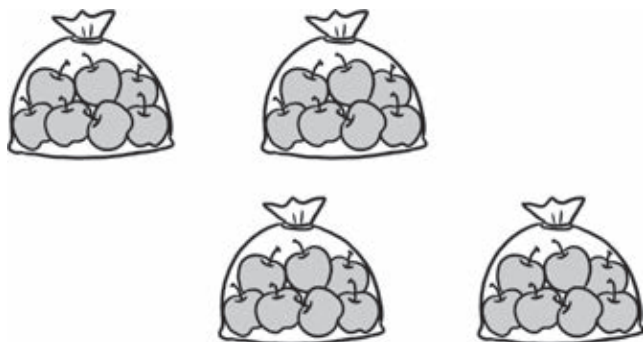**6.**   Vicky has 6 bracelets.
          Each bracelet has 7 beads.

          _____ × _____ = _____

          There are _____ beads in all.

7.   Alex bought 4 bags of apples.
          Each bag has 7 apples.

          _____ × _____ = _____

          There are _____ apples in all.
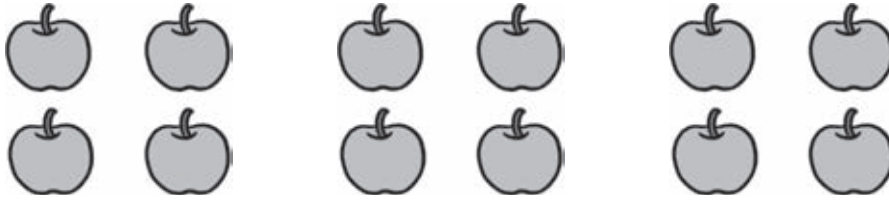
Lesson 2   How to Divide

Find the number of items in each group.

1.   Divide 12 apples into 3 equal groups.

12 ÷ _____ = _____

There are _____ apples in each group.

2.   Divide 20 flowers into 5 equal groups.
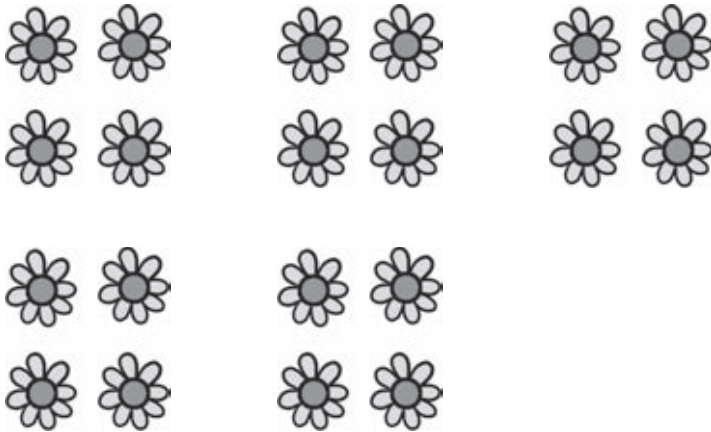
20 ÷ _____ = _____

There are _____ flowers in each group.

Find the number of groups.

3. Divide 16 crackers into groups of 4.
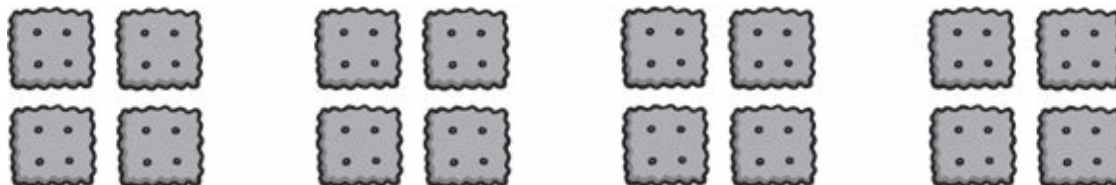
16 ÷ _____ = _____

There are _____ groups of 4 crackers.

4. Divide 18 chicks into groups of 6.
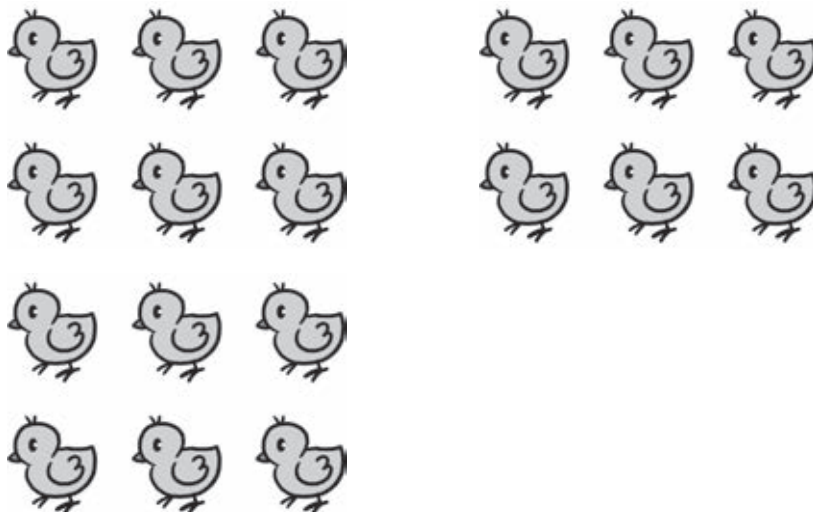
18 ÷ _____ = _____

There are _____ groups of 6 chicks.
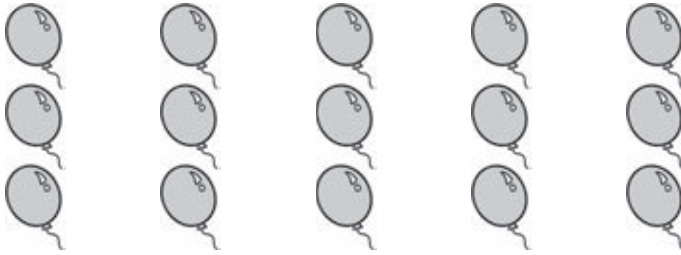
Solve.
Use repeated subtraction to divide.
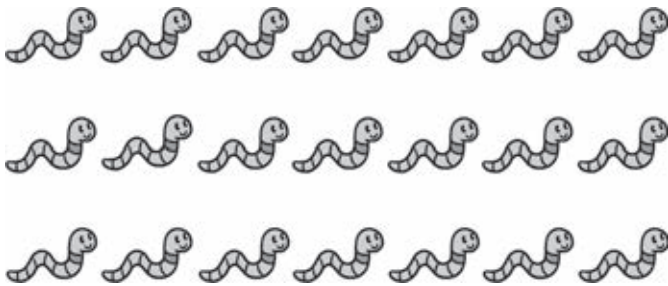
5. Divide 15 balloons so there are 3 in each group.

Subtract groups of 3 until there is nothing left.

15 – 3 – _____ – _____ – _____ – _____ = 0

15 ÷ 3 = _____

There are _____ groups.

6. Divide 21 worms so that each bird gets 7 worms.

Subtract groups of 7 until there is nothing left.

21 – 7 – _____ – _____ = 0

21 ÷ 3 = _____

There are _____ groups of 7 worms.

Solve.
Use repeated subtraction to divide.

7.   Divide 18 strawberries into groups of 9.

18 – _____ – _____ = 0

18 ÷ 9 = _____

There are _____ groups of 9 strawberries.

8.   Divide 14 avocados into groups of 2.

14 – _____ – _____ – _____ – _____ –

_____ – _____ – _____ = 0

14 ÷ 2 = _____

There are _____ groups of 2 avocados.

Lesson 3   Real-World Problems: Multiplication and Division

Solve.

1.   Felix has 3 fish bowls.
Each bowl has 4 goldfish.
How many goldfish does Felix have?

_____ × _____ = _____

Felix has _____ goldfish.

2.   I have 4 oranges.
Each orange has 8 slices.
How many slices do I have?

_____ × _____ = _____
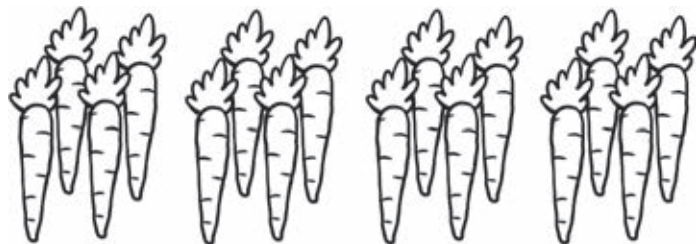
I have _____ slices.

Solve.

3.   There are 3 monkeys at the zoo.
     Sandra has 9 bananas to feed the monkeys.
     She gives each monkey an equal number of bananas.
     How many bananas does each monkey get?

_____ ÷ _____ = _____

Each monkey gets _____ bananas.

4.   Nathan has 16 carrots.
     He gives 4 carrots to each of his pet rabbits.
     How many pet rabbits does he have?

_____ ÷ _____ = _____

Nathan has _____ pet rabbits.

Put on Your Thinking Cap!
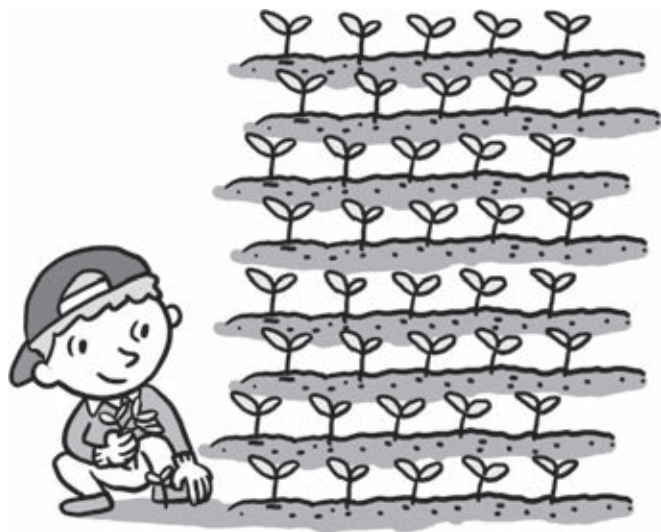
1. Danny has 42 saplings.
   He plants them equally in 8 rows.
   How many saplings are left over?

   _____ saplings are left over.

2. Fill in the blanks.

🐝 🐝 🐝 = 15

🦟 🦟 🦟 + 🐝 🐝 🐝 = 27

🦟 🦟 🦟 = _____

🦟 = _____

🐝 = _____

🦟 + 🐝 = _____

🦟 🦟 + 🐝 🐝 = _____