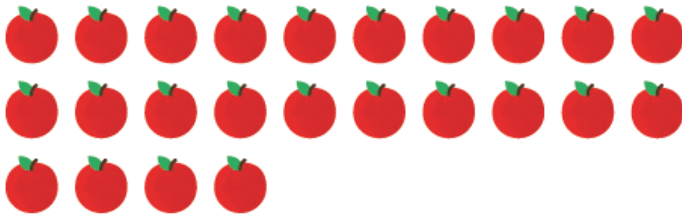


Dividing by 4 and 8

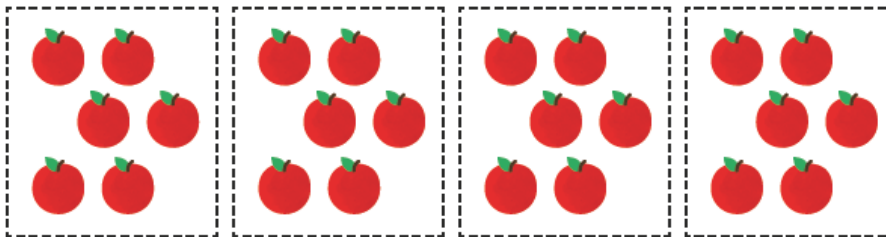
In Focus



How do we put these apples into 4 and 8 equal groups?

Let's Learn

- 1 Put 24 apples into 4 equal groups.



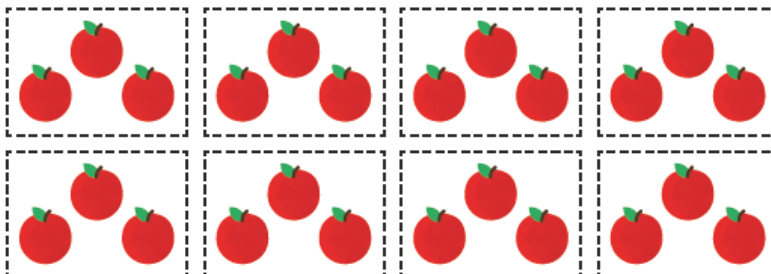
$$24 \div 4 = 6$$

Each group has 6 apples.

Can they be
put into 3 equal
groups?

$$4 \times 6 = 24$$

- 2 Put 24 apples into 8 equal groups.



$$24 \div 8 = 3$$

Each group has 3 apples.

$$8 \times 3 = 24$$

Guided Practice

Write the missing numbers.

1

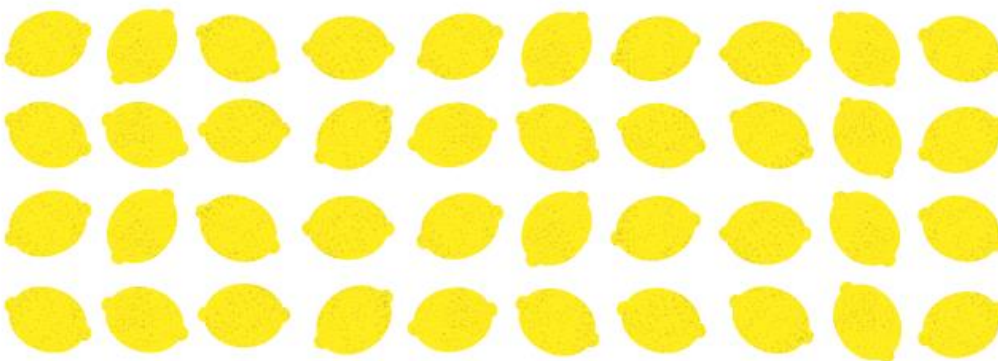


$$16 \div 4 = \square$$

$$16 \div 8 = \square$$

Think about what you did in the guided practice. How can this help you with this question?

2



$$40 \div 4 = \square$$

$$40 \div 8 = \square$$

$$40 \div 2 = \square$$



3

(a) $28 \div 4 = \square$

$\square \times 4 = 28$

(b) $48 \div 8 = \square$

$\square \times 8 = 48$

(c) $24 \div 8 = \square$

$\square \times 8 = 24$

$24 \div 4 = \square$

$\square \times 4 = 24$

$24 \div 3 = \square$

$\square \times 3 = 24$

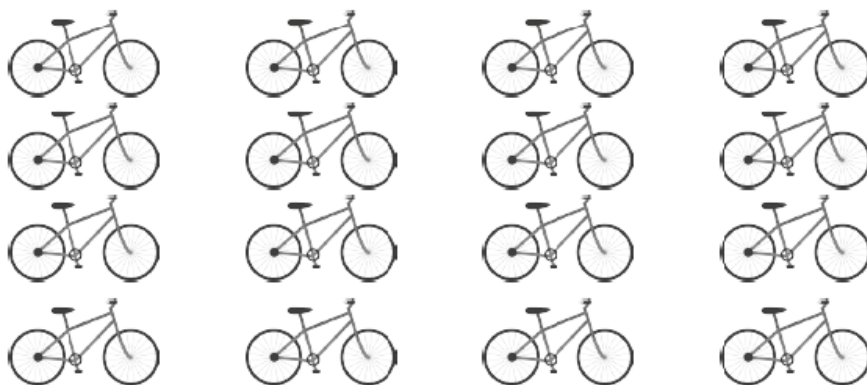
Use the answer from the first part of the question to help you with the second part.

Worksheet 11

Dividing by 4 and 8

1 Write the missing numbers.

(a)



$$16 \div 4 = \boxed{}$$

$$16 \div 8 = \boxed{}$$

(b)



$$32 \div 4 = \boxed{}$$

$$32 \div 8 = \boxed{}$$

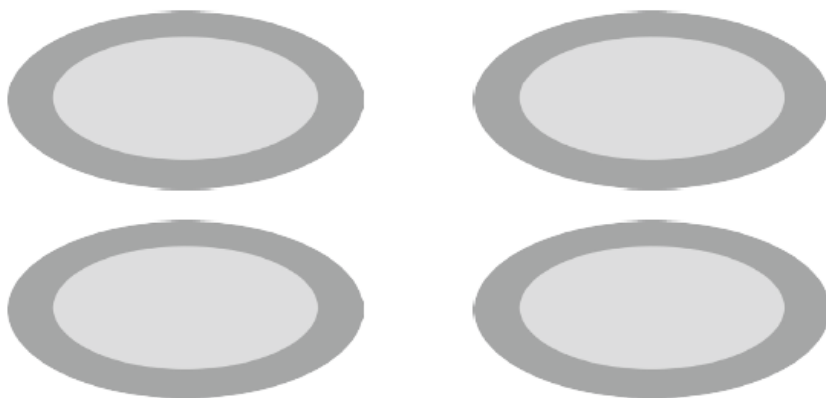
(c)



$$24 \div 4 = \boxed{}$$

$$24 \div 8 = \boxed{}$$

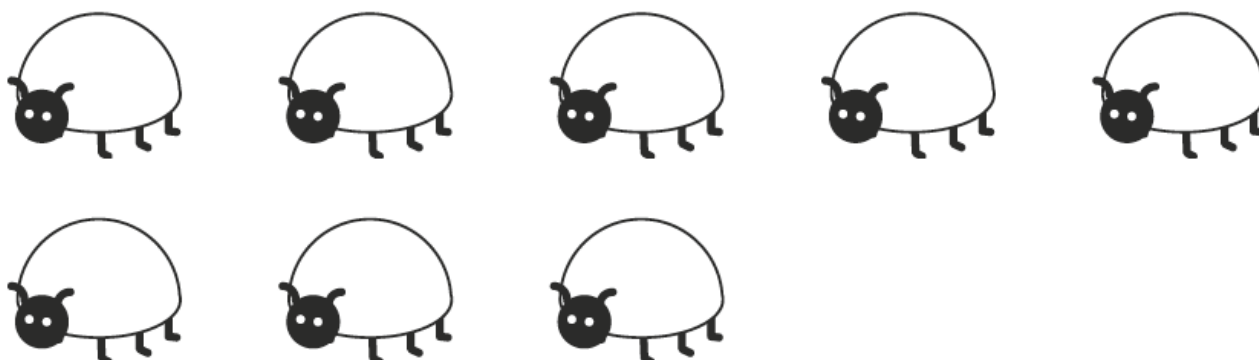
- 2** Divide 20 doughnuts into 4 equal groups.
Draw these doughnuts on each plate and fill in the blanks.



$$20 \div 4 = \boxed{}$$

$$\boxed{} \times 4 = 20$$

- 3** Draw 7 dots on each ladybird and fill in the blanks.



$$7 \times 8 = \boxed{}$$

$$\boxed{} \div 8 = 7$$

$$8 \times 7 = \boxed{}$$

$$\boxed{} \div 7 = 8$$

TITLE: How does knowing how to divide by 4 help you divide by eight?

Complete the following:

$$8 \div 4 =$$

$$16 \div 4 =$$

$$32 \div 4 =$$

$$8 \div 8 =$$

$$16 \div 8 =$$

$$32 \div 8 =$$

What do you notice. Using pictures and symbols describe what you notice, are there any patterns? How does dividing by 4 help you divide by 8?

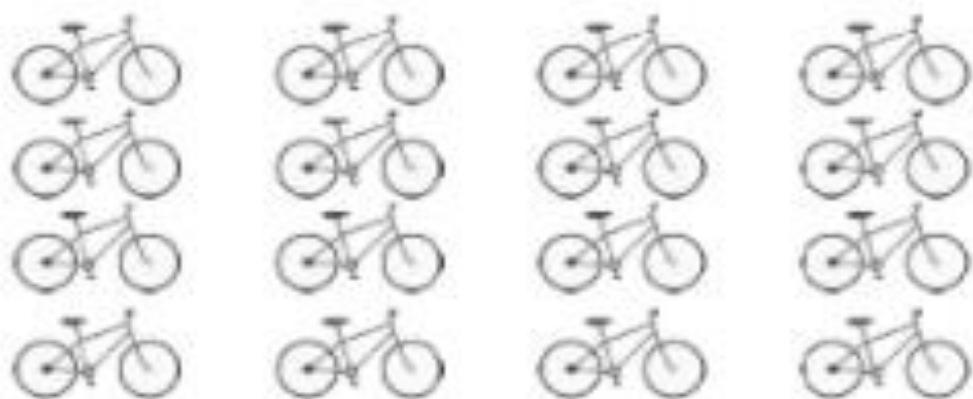
Name: _____ Class: _____ Date: _____

Worksheet 11

Dividing by 4 and 8

1 Write the missing numbers.

(a)



$16 \div 4 =$

4

$16 \div 8 =$

2

(b)



$32 \div 4 =$

8

$32 \div 8 =$

4

(c)



$24 \div 4 =$

6

$24 \div 8 =$

3

- 2** Divide 20 doughnuts into 4 equal groups.
Draw these doughnuts on each plate and fill in the blanks.



$$20 \div 4 = \boxed{5}$$

$$\boxed{5} \times 4 = 20$$

- 3** Draw 7 dots on each ladybird and fill in the blanks.



$$7 \times 8 = \boxed{56}$$

$$\boxed{56} \div 8 = 7$$

$$8 \times 7 = \boxed{56}$$

$$\boxed{56} \div 7 = 8$$

