

MY Homework**Lesson 8****Multiples of 10****Homework Helper**Need help? connectED.mcgraw-hill.com

There are 3 shelves in the cabinet. Each shelf holds 40 cans. How many cans will fit in the cabinet?

You need to find 3×40 .

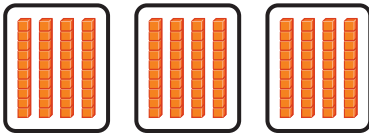
One Way Use a basic fact and patterns.

$$3 \times 4 = 12 \quad \leftarrow \text{basic fact}$$

$$3 \times 40 = 120 \quad \leftarrow \text{pattern}$$

Another Way Use place value.

Use base-ten blocks to model 3 groups of 4 tens.



$$3 \times 4 \text{ tens} = 12 \text{ tens}; 12 \text{ tens} = 120.$$

$$\text{So, } 3 \times 40 = 120.$$

Use repeated addition to check:
 $40 + 40 + 40 = 120$

So, 120 cans will fit in the cabinet.

Practice

Multiply. Use place value.

1. $2 \times 40 =$

$$2 \times \underline{\quad} \text{ tens} = \underline{\quad} \text{ tens}$$

$$\text{So, } 2 \times 40 = \underline{\quad}.$$

3. $5 \times 30 =$

$$5 \times \underline{\quad} \text{ tens} = \underline{\quad} \text{ tens}$$

$$\text{So, } 5 \times 30 = \underline{\quad}.$$

2. $5 \times 60 =$

$$5 \times \underline{\quad} \text{ tens} = \underline{\quad} \text{ tens}$$

$$\text{So, } 5 \times 60 = \underline{\quad}.$$

4. $10 \times 20 =$

$$10 \times \underline{\quad} \text{ tens} = \underline{\quad} \text{ tens}$$

$$\text{So, } 10 \times 20 = \underline{\quad}.$$

Multiply. Use a basic fact.

5. $10 \times 3 =$ _____

So, $10 \times 30 =$ _____

6. $2 \times 9 =$ _____

So, $2 \times 90 =$ _____

7. $2 \times 8 =$ _____

So, $2 \times 80 =$ _____

8. $5 \times 5 =$ _____

So, $5 \times 50 =$ _____



Problem Solving

Write a multiplication sentence to solve.

9. Harlan has 5 antique watches. Each watch has a value of \$90. How much are Harlan's watches worth in all?

- Mathematical PRACTICE 1** **Keep Trying** Trey uses 40 nails to put up the frame around each window. There are 5 windows in the bedroom. How many nails will Trey use in the bedroom?

11. Chloe uses 80 candy wrappers to make a paper necklace. She is making necklaces for herself and 9 friends. How many candy wrappers will Chloe need?

Vocabulary Check



12. Circle the number sentence that shows 20 is a multiple of 2.

$2 \times 10 = 20$

$2 + 10 = 12$

$2 \times 5 = 10$

$10 \div 2 = 5$

Test Practice

13. Which is equal to 52 tens?

(A) 52,010

(C) 5,200

(B) 5,210

(D) 520

