

Name .....

# MY Homework

## Lesson 8

### Multiples of 10

## Homework Helper



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

You need to find  $3 \times 40$ .

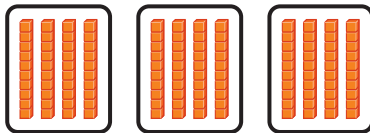
**One Way** Use a basic fact and patterns.

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

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

**Another Way** Use place value.

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



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

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.  $2 \times 40 =$

$$2 \times \underline{4} \text{ tens} = \underline{8} \text{ tens}$$

$$\text{So, } 2 \times 40 = \underline{80}.$$

3.  $5 \times 30 =$

$$5 \times \underline{3} \text{ tens} = \underline{15} \text{ tens}$$

$$\text{So, } 5 \times 30 = \underline{150}.$$

2.  $5 \times 60 =$

$$5 \times \underline{6} \text{ tens} = \underline{30} \text{ tens}$$

$$\text{So, } 5 \times 60 = \underline{300}.$$

4.  $10 \times 20 =$

$$10 \times \underline{2} \text{ tens} = \underline{20} \text{ tens}$$

$$\text{So, } 10 \times 20 = \underline{200}.$$

**Multiply. Use a basic fact.**

5.  $10 \times 3 = \underline{30}$

So,  $10 \times 30 = \underline{300}$

7.  $2 \times 8 = \underline{16}$

So,  $2 \times 80 = \underline{160}$

6.  $2 \times 9 = \underline{18}$

So,  $2 \times 90 = \underline{180}$

8.  $5 \times 5 = \underline{25}$

So,  $5 \times 50 = \underline{250}$



## 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?

$5 \times \$90 = \$450; \$450$

10. **Mathematical PRACTICE**  **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?

$5 \times 40 = 200; 200 \text{ nails}$

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?

$10 \times 80 = 800; 800 \text{ candy wrappers}$

## 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

