

a) Which number could you multiply  $\frac{5}{9}$  by to get the product 5?

$$\frac{5}{9} x = 5 \quad (9)$$

$$\frac{5}{5} x = \frac{45}{5}$$

$$x = 9$$

b) Which number could you multiply  $\frac{4}{7}$  by to get the product 4?

Sarah shares a bag of candy with her friend Emma so that each of them get 15 candy. How much candy did the bag contain?



a) Write an equation that you can use to solve the problem

let  $b$  represent the number of candy in the bag originally

$$\frac{1}{2}b = 15$$

b) solve

$$\begin{array}{l} \cancel{1} b = 15 \quad (2) \\ \hline 2 \quad b = 30 \end{array}$$

c) verify

$$\frac{1}{2}(30) = 15$$

$$\frac{30}{2} = 15$$

$$15$$

## Example

Grandma has enough money to give the same amount to her five grandchildren.

After Grandma gives them the money, each grandchild has \$25. How much money did Grandma have to start?

- Write an equation to represent this problem.
- Solve the equation.
- Verify the solution.



$$\frac{1}{5} x = 25$$



$$x = 125$$

$$\frac{1}{5} (125) = 25$$

$$\frac{125}{5}$$

$$=25$$

Example 2)



The school's student council sold T-shirts for charity. The council bought the T-shirts in boxes of 40. The student council added \$6 to the cost of each T-shirt. Each T-shirt sold for \$26. What did the student council pay for 1 box of T-shirts?



a) Write an equation to represent this problem then solve the equation.

$$\frac{1}{40} t + 6 = 26$$

$$\frac{1}{40} t = 20$$

$$t = 800$$

B) Verify the solution

$$\frac{1}{40} (800) + 6 = 26$$

$$\frac{800}{40} + 6$$

$$20 + 6$$

$$26$$



One-third of the team's supply of hockey pucks was taken from the locker room to the bench. During the game, 5 pucks were caught by fans. At the end of the game, there were 7 pucks left at the bench. What was the team's original supply of pucks?

a) Write an equation you can use to solve the problem

$$\frac{1}{3}x - \cancel{5} = 7 + 5$$

b) Solve the equation

$$\frac{1}{3}x = 12 \quad (\times 3)$$

c) Verify the solution

$$x = 36$$

Write an equation for the following and solve

a) one-fourth of the elementary school went on a trip with 3 chaperones. There was 90 people on the trip. How many elementary students are there in all?

$$\frac{1}{4}x + 3 = 90$$

$$\frac{1}{4}x = 87$$

$$x = 348$$

# Class/Homework

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#3(ac), #4(a,c), #5, #6, #7 (a,b), #8 (c,d), #9 a

Sheet Extra Practice 3

# 1, #2 ,#3, #4 ,#5, #6



## Attachments

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Extra Practice 3 Involving Fractios.pdf