

Section 1.6 - Problem Solving

- Figure out which operation
(^{or} multiple operations)
p.69 chart
- Show your steps → use
creativity
- Write your answer in a
complete sentence.

Practice 1.6 – Problem Solving

Name _____

1. What whole number is associated with each of the following words?

duo	decade	zilch	a grand	dozen	trio	century	a pair	twice
<u>2</u>	<u>10</u>	<u>0</u>	<u>1,000</u>	<u>12</u>	<u>3</u>	<u>100</u>	<u>2</u>	<u>2</u>

For each problem, decide which mathematical operation(s) is appropriate to use and then find the answer.

2. Find the total number of calories in the following lunch from McDonald's: Big Mac (540 calories), small French fries (230 calories), Fruit 'n Yogurt Parfait (160 calories), medium Coca-Cola Classic (210 calories).

Mathematical Operation(s):

addition

The total number of calories is 1,140.

Solution:

$$\begin{array}{r}
 540 \\
 230 \\
 160 \\
 + 210 \\
 \hline
 1,140
 \end{array}$$

3. A movie theater makes a \$4 profit on each ticket sold. How many tickets must be sold to make a profit of \$2,500?

Mathematical Operation(s):

division

625 tickets must be sold.

Solution:

$$\begin{array}{r}
 625 \\
 4 \overline{) 2500} \\
 \underline{24} \\
 10 \\
 \underline{-8} \\
 20
 \end{array}$$

4. A savings account contained \$1,370. After a withdrawal of \$197 and a deposit of \$340, how much is now in the account?

Mathematical Operation(s):

Solution:

Subtract
then
add

$$\begin{array}{r} 1,370 \\ - 197 \\ \hline 1,173 \\ + 340 \\ \hline 1,513 \end{array}$$

The balance is now \$1,513.

5. How many tablets should a pharmacist give a person who needs to take 2 tablets 3 times a day for 14 days?

Mathematical Operation(s):

Solution:

multiplication

$$2 \times 3 = 6 \text{ per day}$$
$$\begin{array}{r} 14 \\ \times 6 \\ \hline 84 \end{array}$$

The pharmacist would give 84 tablets.

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