

Worked Examples

All these problems are similar.

1. Mario scored 375 points in level one and earned a bonus of 197 points. What is Mario's total score?

$$\begin{array}{r} 375 \\ + 197 \\ \hline 572 \end{array}$$

572 points

$5+7=12$. Write down 2 and "carry" the 10 as a 1 in the next column.

2. The garden has two parts. The first part is 8 feet 5 inches long. The second part is 3 feet 9 inches in length. What is the total length of the garden?

$$\begin{array}{r} 8 \text{ ft. } 5 \text{ in.} \\ + 3 \text{ ft. } 9 \text{ in.} \\ \hline 12 \text{ ft. } 2 \text{ in.} \end{array}$$

12 ft. 2 in.

$5 \text{ in.} + 9 \text{ in.} = 14 \text{ inches} = 1 \text{ foot } 2 \text{ inches}$. Write down 2 inches and "carry" 1 foot to the next column.

3. Brett has $6\frac{4}{5}$ cups of flour in the bowl. Brett adds $4\frac{2}{3}$ cups. What is the total amount in the bowl?

$$\begin{array}{r} 6\frac{4}{5} \rightarrow 6\frac{12}{15} \\ + 4\frac{2}{3} \rightarrow 4\frac{10}{15} \\ \hline 11\frac{7}{15} \end{array}$$

$11\frac{7}{15}$ cups

$\frac{12}{15} + \frac{10}{15} = \frac{22}{15} = 1 + \frac{7}{15}$. Write down $\frac{7}{15}$ and "carry" 1 to the next column.

4. The spaceship has a two-stage thruster. The first stage lasts 2 hour, 52 minutes, and 13 seconds. The second stage lasts 1 hour, 23 minutes, and 54 seconds. What is the total amount of time for the two-stage thruster?

$$\begin{array}{r} 2 \text{ hr. } 52 \text{ min. } 13 \text{ sec.} \\ + 1 \text{ hr. } 23 \text{ min. } 54 \text{ sec.} \\ \hline 4 \text{ hr } 16 \text{ min } 7 \text{ sec.} \end{array}$$

4 hours, 16 minutes, and 7 seconds

$13 \text{ sec} + 54 \text{ sec} = 67 \text{ seconds}$
 $67 \text{ sec} = 1 \text{ min} + 7 \text{ sec.}$
 $1 \text{ min} + 52 \text{ min} + 23 \text{ min} = 76 \text{ min}$
 $76 \text{ min} = 1 \text{ hr} + 16 \text{ min}$

Objective: Use regrouping for addition of mixed numbers and measurements.