

Percent Word Problems Worksheet

1. At Longbridge Middle School, 240 students said that they are an only child, which is 48% of the school's student enrollment. How many students attend Longbridge Middle School?

2. Grace and her father spent $4\frac{1}{2}$ hours over the weekend restoring their fishing boat. This time makes up 6% of the time needed to fully restore the boat. How much total time is needed to fully restore the boat?

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1. At Longbridge Middle School, 240 students said that they are an only child, which is 48% of the school's student enrollment. How many students attend Longbridge Middle School?

$$\text{Quantity} \rightarrow 100\%$$

$$240 \rightarrow 48\%$$

$$\frac{240}{48} \rightarrow 1\%$$

$$\frac{240}{48}(100) \rightarrow 100\%$$

$$5(100) \rightarrow 100\%$$

$$500 \rightarrow 100\%$$

There are 500 students attending Longbridge Middle School.

2. Grace and her father spent $4\frac{1}{2}$ hours over the weekend restoring their fishing boat. This time makes up 6% of the time needed to fully restore the boat. How much total time is needed to fully restore the boat?

$$\text{Quantity} \rightarrow \%$$

$$4\frac{1}{2} \rightarrow 6\%$$

$$\frac{9}{2} \rightarrow 6\%$$

$$\left(\frac{9}{2}\right)\left(\frac{1}{6}\right)100 \rightarrow 100\%$$

$$\left(\frac{9}{12}\right)100 \rightarrow 100\%$$

$$\left(\frac{3}{4}\right)100 \rightarrow 100\%$$

$$\frac{300}{4} \rightarrow 100\%$$

$$75 \rightarrow 100\%$$

The total amount of time to restore the boat is 75 hours.