

Name: ..... Class: .....

## Divide multi - digit numbers by 1-digit numbers: word problems

- a. If Peter drove **256 kilometers** for **8 hours**. How many kilometers did he drive per hour?



- b. Mary's birthday is coming up soon. Her friends intend to throw a pizza party for her. In preparations for this, they intend to order 200 slices of pizza. If each pizza box has 10 slices, how many pizzas boxes will they buy?



- c. Larry and his fellow classmates went out on a field trip to visit the town museum last week. The entrance ticket per student costed \$ 9. They all contibuted a total amount of \$ 162. How many students went for the field trip?

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Divide multi - digit numbers by 1-digit numbers: word problems

- a. If Peter drove **256 kilometers** for **8 hours**. How many kilometers did he drive per hour?

To get the number of kilometers per hour we have to divide 256km by 8 hours

$$\begin{array}{r}
 256 \div 8 \\
 \underline{32} \phantom{00} \\
 8 \overline{) 256} \\
 \underline{- 24} \phantom{0} \downarrow \\
 16 \\
 \underline{- 16} \\
 0
 \end{array}$$

So, peter drove 32 kilometers per hour.



- b. Mary's birthday is coming up soon. Her friends intend to throw a pizza party for her. In preparations for this, they intend to order 200 slices of pizza. If each pizza box has 10 slices, how many pizzas boxes will they buy?

In order to know the number of pizzas to be bought, we'll divide 200 by 10

$$\begin{array}{r}
 200 \div 10 \\
 \underline{20} \phantom{00} \\
 10 \overline{) 200} \\
 \underline{- 20} \phantom{0} \downarrow \\
 00 \\
 \underline{- 0} \\
 0
 \end{array}$$

So, they will buy 20 pizzas boxes.



- c. Larry and his fellow classmates went out on a field trip to visit the town museum last week. The entrance ticket per student costed \$ 9. They all contibuted a total amount of \$ 162. How many students went for the field trip?

To know the exact number of students who went to the meusum we divide \$162 by \$9

$$\begin{array}{r}
 162 \div 9 \\
 \underline{18} \phantom{00} \\
 9 \overline{) 162} \\
 \underline{- 9} \phantom{0} \downarrow \\
 72 \\
 \underline{- 72} \\
 0
 \end{array}$$

So, 18 students went for the field trip.