

Name: Class:

Divide decimals by whole numbers - word problems

1. Kevin drove from Selma to Alexander city on a **150.36 km** trip in **135 minutes**. Find the average number of kilometers he covered per minute. **Round your answer to the nearest ten-thousandths.**



2. A merchant bought **12 pounds of apples** from a fruit vendor for **\$ 50.98**. How much does a pound of apple cost ? **Round your answer to the nearest hundreth.**

3. Liam is practicing for the next Olympic games. For the past **20 days**, he has ran a total of **241.52 miles**. How many miles did he cover per day ?



4. Mrs. Mia bought **9 watermelons** that weigh a total of **221.04 pounds** from a super market. Find the average weight of one watermelon.



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1. Kevin drove from Selma to Alexander city on a **150.36 km** trip in **135 minutes**. Find the average number of kilometers he covered per minute. Round your answer to the nearest ten-thousandths.

- ▶ From Selma to Alexander city: **150.36 km**
▶ time set: **135 minutes**

$$\frac{150.36}{135} = 1.113\overline{777}$$



To nearest ten-thousandths, Kevin covered a distance of **1.1138 km** per minute.

2. A merchant bought **12 pounds of apples** from a fruit vendor for **\$ 50.98**. How much does a pound of apple cost ? Round your answer to the nearest hundredth.

- ▶ **12 pounds of apples**
▶ Cost of 12 pounds of apples: **\$ 50.98**

$$\frac{50.98}{12} = 4.248\overline{33}$$

Therefore to the nearest hundredth, a pound of apple cost **\$ 4.25**.

3. Liam is practicing for the next Olympic games. For the past **20 days**, he has ran a total of **241.52 miles**. How many miles did he cover per day ?



- ▶ Number of days: **20**
▶ Number of miles: **241.52**

$$\frac{241.52}{20} = 12.076$$

Liam covered **12.076 miles** per day.

4. Mrs. Mia bought **9 watermelons** that weigh a total of **221.04 pounds** from a super-market. Find the average weight of one watermelon.

- ▶ total weight of watermelons: **221.04 pounds**
▶ number of watermelons: **9**

$$\frac{221.04}{9} = 24.56$$

Therefore, the average weight of a watermelon is **24.56 pounds**

