

Lesson 11 Practice Problems

1. Use long division to show that the fraction and decimal in each pair are equal.

$$\frac{3}{4}$$
 and 0.75

$$\frac{3}{50}$$
 and 0.06

$$\frac{7}{25}$$
 and 0.28

2. Mai walked $\frac{1}{8}$ of a 30-mile walking trail. How many miles did Mai walk? Explain or show your reasoning.

3. Use long division to find each quotient. Write your answer as a decimal.

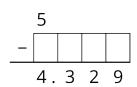


- 4. Tyler reasoned: " $\frac{9}{25}$ is equivalent to $\frac{18}{50}$ and to $\frac{36}{100}$, so the decimal of $\frac{9}{25}$ is 0.36."
 - a. Use long division to show that Tyler is correct.

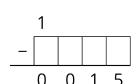
b. Is the decimal of $\frac{18}{50}$ also 0.36? Use long division to support your answer.

5. Complete the calculations so that each shows the correct difference.

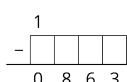
a.



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C.



(From Unit 5, Lesson 4.)

6. Use the equation $124 \cdot 15 = 1,860$ and what you know about fractions, decimals, and place value to explain how to place the decimal point when you compute $(1.24) \cdot (0.15)$.

(From Unit 5, Lesson 6.)