

MULTIPLYING FRACTIONS II

Name: _____ Class: _____ Due Date: _____

Family Member Signature: _____

Objective:

To practice multiplying fractions in all forms.

Necessary Information:

We have been using our logic skills and number lines to determine the answers to the following questions. We also use the fact that order doesn't matter when multiplying numbers.

Eg. $\frac{1}{2} \times 14$ could be read as half of 14 **OR** 14 groups of one half. Use the strategy that works best for you.

Practice Section:

1. Calculate

a. Find $\frac{1}{10}$ of 90

e. Find $\frac{2}{5}$ of 45

b. 8 is $\frac{2}{3}$ of what number?

f. 44 is $\frac{2}{5}$ of what number?

c. Find $\frac{3}{4}$ of 36

g. 12 is $\frac{3}{4}$ of what number?

d. 28 is $\frac{3}{6}$ of what number?

h. $\frac{4}{9}$ of 36

2. Circle the two numbers that, when multiplied together, have a product closest to 2.

$$\frac{3}{10}$$

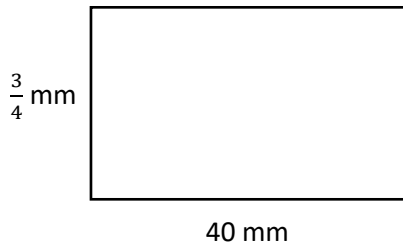
$$\frac{6}{10}$$

3

60

3. Find the area and perimeter of each rectangle.

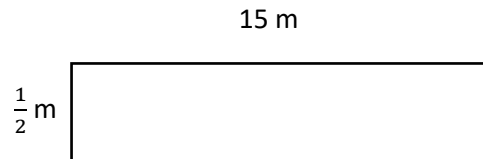
a.



P = _____

A = _____

b.



P = _____

A = _____

In Your Real World:

With a family member, solve the following question. If you are really hungry, would you rather have $\frac{3}{4}$ of a 20in^2 cake or $\frac{8}{9}$ of an 18in^2 cake? Explain your reasoning.

