

Multiplying Fraction Review

Name: _____

1. Simplify

a. $\frac{21}{56} =$

b. $\frac{12}{60} =$

2. Write the following mixed numbers as improper fractions

a. $1\frac{7}{9} =$

b. $2\frac{4}{5} =$

3. Which is equivalent to 3^2 . Explain your choice.

a. 5

b. 6

c. 1

d. 9

4. Is $\frac{1}{2} \times \frac{3}{4}$ greater than, less than, or equal to $\frac{1}{2}$? Explain.

5. It takes Dave $2\frac{1}{4}$ minutes to run once around the track. Estimate how long will it take him to run 8 laps. Explain your reasoning.

6. Donuts cost $\frac{8}{10}$ of a dollar each at CUB. Estimate the cost of 7 donuts. Explain your reasoning.

7. Use a picture to prove that $\frac{1}{4} \times \frac{5}{10} = \frac{1}{8}$.

8. Evaluate and simplify.

a. $4\frac{2}{3} \times 1\frac{1}{8}$

b. $2 \times 1\frac{3}{5}$

Fraction Multiplication STUDY guide

Simplest Form

$$\frac{14}{56}$$

Fraction whose Numerator
+ denominator have _____

Improper to Mixed

27 ← "divide"
 $\frac{27}{8}$ $27 \div 8 = 3 \text{ R } 3 = 3 \frac{3}{8}$ Rem. $\frac{3}{8}$
← same →

Mixed # to Improper

add
 $2 \frac{3}{5} = \frac{13}{5}$
Multiply

Estimating Products

• Round to _____
then _____
estimate products

$$* 1\frac{1}{4} \times \frac{2}{3}$$

$$* \frac{4}{9} \times 7\frac{1}{8}$$

Multiplying fractions

- change mixed #s to _____
- multiply _____ and _____
- simplify

$$2\frac{3}{4} \cdot 5\frac{2}{3}$$

- write the number sentence
