Name: _____

Equivalent Fractions

You can use multiplication to find an equivalent fraction. Multiply by any fraction equal to 1, where the numerator and denominator are the same number.

examples: $\frac{3}{5} \times \frac{4}{4} = \frac{12}{20}$ $\qquad$ $\frac{4}{9} \times \frac{2}{2} = \frac{8}{18}$

You can also use division to find an equivalent fraction. Divide by a fraction equal to 1, where the numerator and denominator have a common factor.

examples: $\frac{15}{20} \div \frac{5}{5} = \frac{3}{4}$ $\qquad$ $\frac{12}{18} \div \frac{6}{6} = \frac{2}{3}$

Use multiplication to find an equivalent fraction.

a. $\frac{2}{3}$ _____

b. $\frac{1}{5}$ _____

c. $\frac{3}{7}$ _____

d. $\frac{1}{4}$ _____

e. $\frac{5}{6}$ _____

f. $\frac{7}{8}$ _____

Use division to find an equivalent fraction.

g. $\frac{3}{12}$ _____

h. $\frac{14}{28}$ _____

i. $\frac{10}{30}$ _____

j. $\frac{25}{40}$ _____

k. $\frac{8}{12}$ _____

l. $\frac{20}{55}$ _____

Find *three* equivalent fractions for each fraction shown.

m. $\frac{2}{4}$ _____

n. $\frac{3}{6}$ _____

o. $\frac{4}{12}$ _____

p. $\frac{2}{10}$ _____

q. Anthony baked two pizzas that were the same size. He kept one for himself and gave one to his sister, Keyarra. Anthony ate $\frac{1}{4}$ of his pizza. Keyarra ate $\frac{2}{8}$ of her pizza. Use multiplication or division to show that they both ate the same amount of pizza.

_____

ANSWER KEY

Equivalent Fractions

You can use multiplication to find an equivalent fraction. Multiply by any fraction equal to 1, where the numerator and denominator are the same number.

examples: $\dfrac{3}{5} \times \dfrac{4}{4} = \dfrac{12}{20}$ $\dfrac{4}{9} \times \dfrac{2}{2} = \dfrac{8}{18}$

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examples: $\dfrac{15}{20} \div \dfrac{5}{5} = \dfrac{3}{4}$ $\dfrac{12}{18} \div \dfrac{6}{6} = \dfrac{2}{3}$

Use multiplication to find an equivalent fraction. (Answers will vary.)

a. $\dfrac{2}{3}$ $\dfrac{2}{3} \times \dfrac{2}{2} = \dfrac{4}{6}$

b. $\dfrac{1}{5}$ _____

c. $\dfrac{3}{7}$ _____

d. $\dfrac{1}{4}$ _____

e. $\dfrac{5}{6}$ _____

f. $\dfrac{7}{8}$ _____

Use division to find an equivalent fraction. (Answers will vary.)

g. $\dfrac{3}{12}$ $\dfrac{3}{12} \div \dfrac{3}{3} = \dfrac{1}{4}$

h. $\dfrac{14}{28}$ _____

i. $\dfrac{10}{30}$ _____

j. $\dfrac{25}{40}$ _____

k. $\dfrac{8}{12}$ _____

l. $\dfrac{20}{55}$ _____

Find *three* equivalent fractions for each fraction shown. (Answers will vary.)

m. $\dfrac{2}{4}$ $\dfrac{1}{2}$ $\dfrac{4}{8}$ $\dfrac{8}{16}$

n. $\dfrac{3}{6}$ _____

o. $\dfrac{4}{12}$ _____

p. $\dfrac{2}{10}$ _____

q. Anthony baked two pizzas that were the same size. He kept one for himself and gave one to his sister, Keyarra. Anthony ate $\dfrac{1}{4}$ of his pizza. Keyarra ate $\dfrac{2}{8}$ of her pizza. Use multiplication or division to show that they both ate the same amount of pizza.

$\dfrac{1}{4} \times \dfrac{2}{2} = \dfrac{2}{8}$ or $\dfrac{2}{8} \div \dfrac{2}{2} = \dfrac{1}{4}$