

Equivalent Fractions

Same Amount, Different Pieces!

Name: _____

Date: _____

Section 1: Equal Fractions with Pictures

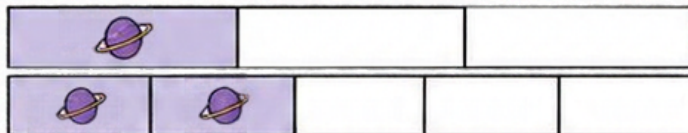
Both bars are the same size. Count the shaded parts and write the missing number.

Example



$$\frac{1}{2} = \frac{2}{4}$$

a)



$$\frac{1}{3} = \frac{\boxed{}}{6}$$

b)



$$\frac{3}{4} = \frac{\boxed{}}{8}$$

c)



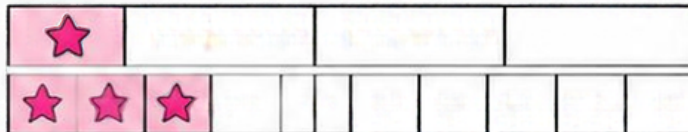
$$\frac{2}{5} = \frac{\boxed{}}{10}$$

d)



$$\frac{1}{2} = \frac{\boxed{}}{6}$$

e)



$$\frac{1}{4} = \frac{\boxed{}}{8}$$

Section 2: Find the Missing Number

Multiply the top and the bottom by the same number.

Example

$$\frac{2}{3} = \frac{\boxed{}}{12}$$

$3 \times 4 = 12$, so multiply the top by 4 too: $2 \times 4 = 8$.

$$\frac{2}{3} = \frac{8}{12}$$

a) $\frac{1}{2} = \frac{\boxed{}}{10}$

b) $\frac{3}{5} = \frac{\boxed{}}{15}$

c) $\frac{2}{7} = \frac{\boxed{}}{14}$

d) $\frac{5}{6} = \frac{\boxed{}}{18}$

e) $\frac{3}{8} = \frac{\boxed{}}{24}$



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Section 3: Simplify to an Equal Fraction

Divide the top and the bottom by the same number.

Example

$$\frac{6}{8} \frac{4}{4}$$

$8 \div 2 = 4$, so divide the top by 2 too: $6 \div 2 = 3$.

$$\frac{6}{8} \frac{3}{4}$$

a)

$$\frac{2}{2} \frac{4}{4}$$

b)

$$\frac{6}{9} \frac{3}{5}$$

c)

$$\frac{10}{15} \frac{5}{8}$$

d)

$$\frac{12}{16} \frac{4}{4}$$

e)

$$\frac{8}{12} \frac{3}{3}$$



Section 4: Compare Fractions

Rewrite one fraction so both have the same bottom number. Then write $<$, $>$ or $=$ in the box.

Example

$$\frac{3}{4} \frac{5}{8}$$

Rewrite $\frac{3}{4}$
greater than

$$\frac{3}{4} \text{ as } \frac{6}{8} \frac{5}{8} \text{ is } \frac{5}{8} \text{ so } > \frac{5}{8}$$

a)

$$\frac{1}{2} \frac{3}{8} \frac{3}{8}$$

b)

$$\frac{2}{3} \frac{4}{6} \frac{4}{6}$$

c)

$$\frac{3}{5} \frac{7}{10} \frac{7}{10}$$

d)

$$3 \frac{4}{6} \frac{5}{6}$$

e)

$$\frac{5}{12} \frac{1}{3}$$



Equivalent Fractions

Answer Key

Teacher Copy

Section 1

$$\text{a) } \frac{1}{3} = \frac{2}{6}$$

$$\text{b) } \frac{3}{4} = \frac{6}{8}$$

$$\text{c) } \frac{2}{5} = \frac{4}{10}$$

$$\text{d) } \frac{1}{2} = \frac{3}{6}$$

$$\text{e) } \frac{1}{4} = \frac{2}{8}$$

Section 2

$$\text{a) } \frac{1}{2} = \frac{5}{10}$$

$$\text{b) } \frac{3}{5} = \frac{9}{15}$$

$$\text{c) } \frac{2}{7} = \frac{4}{14}$$

$$\text{d) } \frac{5}{6} = \frac{15}{18}$$

$$\text{e) } \frac{3}{8} = \frac{9}{24}$$

Section 3

$$\text{a) } \frac{4}{8} = \frac{1}{2}$$

$$\text{b) } \frac{6}{9} = \frac{2}{3}$$

$$\text{c) } \frac{10}{15} = \frac{2}{3}$$

$$\text{d) } \frac{12}{16} = \frac{3}{4}$$

$$\text{e) } \frac{8}{12} = \frac{2}{3}$$

Section 4

$$\text{a) } \frac{1}{2} = \frac{3}{6}$$

$$\text{b) } \frac{2}{3} = \frac{4}{6}$$

$$\text{c) } \frac{3}{5} = \frac{7}{10}$$

$$\text{d) } \frac{3}{4} = \frac{5}{6}$$

$$\text{e) } \frac{5}{12} = \frac{1}{3}$$