

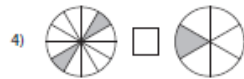
Name: _____

Score: _____

Equivalent Fractions

Visuals: 51

Write the correct symbol in each problem (= or ≠).



10) $\frac{4}{6} = \frac{10}{15}$ $\frac{2}{3} : \frac{4}{6}, \frac{6}{9}, \frac{8}{12}, \frac{10}{15}$

11) $\frac{3}{7} \neq \frac{2}{5}$ $\frac{2}{5} : \frac{4}{10}$

12) $\frac{1}{3} = \frac{4}{12}$ $\frac{1}{3} : \frac{2}{6}, \frac{3}{9}, \frac{4}{12}$

Equivalent Fractions

Sheet 1

A) Choose the correct equivalent fraction in each problem.

1 $\frac{2}{16} = ?$
 $\frac{1}{8}$

- a) $\frac{1}{4}$ b) $\frac{1}{8}$ c) $\frac{4}{20}$ d) $\frac{3}{18}$

2 $\frac{1}{3} = ?$

- a) $\frac{3}{15}$ b) $\frac{2}{14}$ c) $\frac{8}{24}$ d) $\frac{5}{10}$

$\frac{1}{3} : \frac{2}{6}, \frac{3}{9}, \frac{4}{12}, \frac{5}{15}, \frac{6}{18}, \frac{7}{21}, \frac{8}{24}$

Grade 6

3 $\frac{25}{10} = ?$

- a) $\frac{5}{2}$ b) $\frac{10}{5}$ c) $\frac{10}{2}$ d) $\frac{30}{20}$

4 $\frac{4}{12} = ?$ a) $\frac{14}{6}$ b) $\frac{3}{18}$ c) $\frac{1}{2}$ d) $\frac{6}{18}$

$\frac{1}{3} : \frac{2}{6}, \frac{3}{9}, \frac{4}{12}, \frac{5}{15}, \frac{6}{18}$

What # is a factor of 36 and 45? **9**

$9 \times 4 = 36$
 $9 \times 5 = 45$

5 $\frac{36}{45} = ?$ a) $\frac{9}{5}$ b) $\frac{4}{5}$ c) $\frac{15}{25}$ d) $\frac{2}{18}$

Harder $\frac{4}{5}$

6 $\frac{3}{18} = ?$ a) $\frac{5}{30}$ b) $\frac{1}{9}$ c) $\frac{4}{16}$ d) $\frac{1}{2}$

$\frac{1}{6} : \frac{2}{12}, \frac{3}{18}, \frac{4}{24}, \frac{5}{30}$

B) Write any 3 equivalent fractions.

$$1) \frac{7}{4} = \frac{14}{8}, \frac{21}{12}, \frac{28}{16}$$

$$2) \frac{1}{6} = \frac{2}{12}, \frac{3}{18}, \frac{4}{24}$$

$$3) \frac{2}{5} = \frac{4}{10}, \frac{6}{15}, \frac{8}{20}$$

1) I have 2 in the denominator.

I am equivalent to $\frac{2}{4}$.

What fraction am I?

$$\frac{1}{2}$$

2) I have 3 in the numerator.

I am equivalent to $\frac{21}{35}$.

What fraction am I?

$$\frac{3}{5}$$

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

$$\frac{3}{5} = \frac{21}{35}$$

$\downarrow +1$
 $\downarrow +1$

$5 \times 7 = 35$

3) I have 63 in the denominator.

I am equivalent to $\frac{2}{7}$.

What fraction am I?

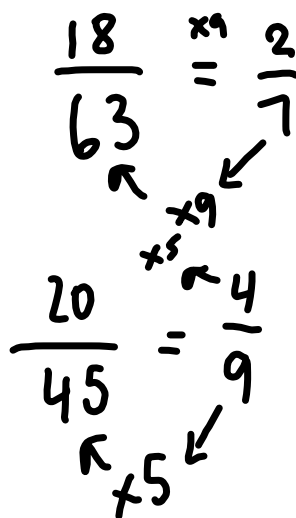
$$\frac{18}{63}$$

4) I have 45 in the denominator.

I am equivalent to $\frac{4}{9}$.

What fraction am I?

$$\frac{20}{45}$$



5) I have 5 in the numerator.

I am equivalent to $\frac{15}{18}$.

What fraction am I?

$$\frac{5}{6}$$

6) I have 1 in the numerator.

I am equivalent to $\frac{4}{24}$.

What fraction am I?

$$\frac{1}{6}$$

7) I have 24 in the denominator.

I am equivalent to $\frac{2}{3}$.

What fraction am I?

$$\frac{8}{24}$$

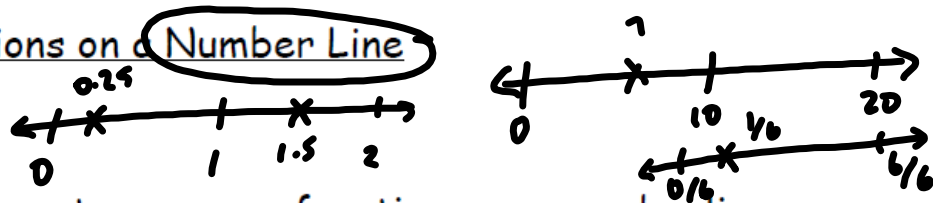
$$\frac{5}{6} \xrightarrow{\times 2} \frac{10}{12} \xrightarrow{\times 2} \frac{15}{18}$$

$$\frac{1}{6} \xrightarrow{\times 3} \frac{3}{18} \xrightarrow{\times 4} \frac{12}{72}$$

$$\frac{1}{6} \xrightarrow{\times 4} \frac{4}{24}$$

$$\frac{16}{24} = \frac{2}{3} \times 8$$

Lesson 4 - Fractions on a Number Line



In order for you to compare fractions on a numberline, you must always have the same denominator or use fraction strips

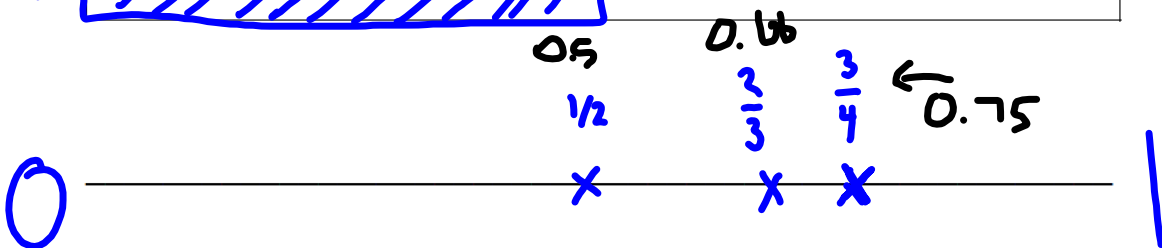
We use a number line to order whole numbers and fractions. Number lines are an easier way to compare two fractions to each other.

Benchmarks - a familiar number or measurement to use for comparing other numbers of measurement *for example, you would use whole numbers to compare fractions)

$$\frac{1}{2} = 0.5$$

Compare the following fractions using a numberline and fraction strips

$$\frac{2}{3}, \frac{3}{4} \text{ and } \frac{1}{2}$$



Compare the following fractions using a numberline and multiples

