

Equivalent fractions and simplifying

Name: _____ Class: _____ Date: _____

Mark _____ / 14 %

1) Select the correct inequality (< or >) to make a true statement [1]

$$\frac{3}{6} \boxed{\phantom{< >}} \frac{3}{8}$$

2) Order from smallest to largest [2]

a) $\frac{3}{4}, \frac{1}{4}, \frac{1}{5}, \frac{1}{2}, \frac{4}{5}$

b) $\frac{6}{7}, \frac{7}{8}, \frac{1}{5}, \frac{4}{7}, \frac{2}{7}$

3) Find the missing number in the equivalent fractions. [1]

$$\frac{5}{?} = \frac{25}{35}$$

? =

4) Find the missing number in the equivalent fractions [1]

$$\frac{10}{45} = \frac{?}{63}$$

? =

5) Complete the table [1]

| | | | |
|----------------------------|----------------|----------------|---------------|
| Fraction | $\frac{1}{2}$ | $\frac{3}{10}$ | $\frac{4}{5}$ |
| Equivalent Fraction | $\frac{5}{10}$ | | |

6) Complete the table

[1]

| | | | |
|----------------------------|---------------|----------------|---------------|
| Fraction | $\frac{3}{4}$ | $\frac{7}{10}$ | $\frac{2}{5}$ |
| Equivalent Fraction | | | |

7) Complete the table

[1]

| | | | |
|----------------------------|---------------|------------------|----------------|
| Fraction | $\frac{7}{8}$ | $\frac{33}{100}$ | $\frac{3}{25}$ |
| Equivalent Fraction | | | |

8) Write the fraction in its lowest terms.

[2]

a) $\frac{8}{56}$

b) $\frac{9}{63}$

9) Write the fraction in its lowest terms

[2]

a) $\frac{15}{20}$

b) $\frac{48}{56}$

10) Write the fraction in its lowest terms, leaving your answer as an improper fraction

[2]

a) $\frac{77}{70}$

b) $\frac{176}{128}$

Solutions for the assessment Equivalent fractions and simplifying

1) $\frac{3}{6} > \frac{3}{8}$

2) a) $\frac{1}{5}, \frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{4}{5}$

b) $\frac{1}{5}, \frac{2}{7}, \frac{4}{7}, \frac{6}{7}, \frac{7}{8}$

3) 7

4) 14

5) e.g. $\frac{6}{20}, \frac{8}{10}$

6) e.g. $\frac{6}{8}, \frac{14}{20}, \frac{4}{10}$

7) e.g. $\frac{14}{16}, \frac{66}{200}, \frac{6}{50}$

8) a) $\frac{1}{7}$

b) $\frac{1}{7}$

9) a) $\frac{3}{4}$

b) $\frac{6}{7}$

10) a) $\frac{11}{10}$

b) $\frac{11}{8}$