Equivalent fractions and simplifying

Name:	Class:	Date:

Mark	/ 14	%

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

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

2) Order from smallest to largest [2]

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

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

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

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

? = $\boxed{}$

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

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

? = $\boxed{}$

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) $\frac{11}{8}$