Extension

7a. Use your knowledge of equivalent fractions to group the fractions below and find the odd one out.

$\frac{4}{28}$ $\frac{8}{56}$ $\frac{6}{36}$

$\frac{9}{49}$ $\frac{3}{18}$ $\frac{5}{35}$

Explain the reasons for your groupings.

GD R

7b. Use your knowledge of equivalent fractions to group the fractions below and find the odd one out.

$\frac{18}{24}$ $\frac{6}{54}$ $\frac{24}{36}$

$\frac{39}{52}$ $\frac{12}{16}$ $\frac{3}{27}$

Explain the reasons for your groupings.

GD R

8a. Using the digit cards below, create three equivalent fractions.

$\frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

4 1 10 7 14

12 21 30 8

GD PS

8b. Using the digit cards below, create three equivalent fractions.

$\frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

12 10 20 15 4

25 24 5 7

GD PS

9a. Finn is looking at the fractions below.

$$\frac{6}{18} = \frac{9}{21} = \frac{12}{33}$$

All three fractions are equal because the numerators and denominators are all divisible by 3.

Finn

Is he correct? Convince me.

GD R

9b. Phoebe is looking at the fractions below.

$$\frac{9}{12} = \frac{15}{20} = \frac{21}{28}$$

The fractions are all equal because they are equivalent to $\frac{6}{8}$.

Phoebe

Is she correct? Convince me.

GD R

Greater Depth

7a. $\frac{4}{28}$, $\frac{5}{35}$ and $\frac{8}{56}$ are grouped because they are equivalent, $\frac{6}{36}$ and $\frac{3}{18}$ are grouped because they are equivalent so $\frac{9}{49}$ is the odd one out.

8a. $\frac{4}{12}$; $\frac{10}{30}$; $\frac{7}{21}$

9a. Finn is incorrect. Although all of the numbers are divisible by 3, this does not mean they are equivalent.

Greater Depth

7b. $\frac{12}{16}$, $\frac{18}{24}$ and $\frac{39}{52}$ are grouped because they are equivalent, $\frac{3}{27}$ and $\frac{6}{54}$ are grouped because they are equivalent so $\frac{24}{36}$ is the odd one out.

8b. $\frac{4}{5}$; $\frac{12}{15}$; $\frac{20}{25}$

9b. Phoebe is correct because all three fractions can be simplified to $\frac{3}{4}$ which is equivalent to $\frac{6}{8}$.