Reasoning and Problem Solving
Divide Fractions by Integers 1

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Developing

1a. 6

2a. Josh is correct. Kelly has divided both the numerator and denominator by 2.

3a. The calculation is $\frac{6}{8} \div 3$. The answer is $\frac{2}{8}$ or $\frac{1}{4}$.

Developing

1b. 12

2b. Vlad is correct. Chan has divided the denominator and the numerator by 2.

3b. The calculation is $\frac{8}{10} \div 4$. The answer is $\frac{2}{10}$ or $\frac{1}{5}$.

Expected

4a. 8

5a. Lucy is correct. Cian has divided both the numerator and denominator by 4.

6a. The calculation is $\frac{15}{18} \div 5$. The answer is $\frac{3}{18}$ or $\frac{1}{6}$.

Expected

4b. 28

5b. Steph is correct. Ben has divided the denominator instead of the numerator.

6b. The calculation is $\frac{28}{30} \div 7$. The answer is $\frac{4}{30}$ or $\frac{2}{15}$.

Greater Depth

7a. 12

8a. Lana is correct. Hafsa has divided 88 by 8 rather than 96 divided by 8.

9a. The calculation is $5\frac{10}{12} \div 7$. The answer is $\frac{10}{12}$ or $\frac{5}{6}$.

Greater Depth

7b. 3

8b. Pete is correct. Chloe has divided the denominator instead of the numerator.

9b. The calculation is $2\frac{8}{12} \div 8$. The answer is $\frac{4}{12}$ or $\frac{1}{3}$.

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