

Varied Fluency Fractions to Percentages

Developing

1a. $\frac{5}{10} = \frac{50}{100} = 50\%$, $\frac{9}{10} = \frac{90}{100} = 90\%$,

$\frac{2}{10} = \frac{20}{100} = 20\%$, $\frac{3}{10} = \frac{30}{100} = 30\%$

2a. 40 squares shaded = 40%

3a. Emily = 70%; Charlie = 10%; Zara = 40%; Emily reaches the final.

4a. False, $\frac{6}{10}$ is 60%.

Expected

5a. $\frac{3}{5} = \frac{60}{100} = 60\%$, $\frac{26}{50} = \frac{52}{100} = 52\%$,

$\frac{1}{20} = \frac{5}{100} = 5\%$, $\frac{5}{25} = \frac{20}{100} = 20\%$

6a. 30 squares shaded = 30%

7a. Ava-Lily = 76%; Tyrese = 40%; Rochelle = 72%; Ava-Lily reaches the final.

8a. True

Greater Depth

9a. $\frac{36}{45} = 80\%$, $\frac{66}{75} = 88\%$,

$\frac{21}{28} = 75\%$, $\frac{12}{80} = 15\%$

10a. 25% chose vanilla.

11a. Amie = 25%; Robert = 75%; David = 40%; Robert reaches the final.

12a. False, $\frac{14}{70}$ is 20%.

Varied Fluency Fractions to Percentages

Developing

1b. $\frac{1}{10} = \frac{10}{100} = 10\%$, $\frac{6}{10} = \frac{60}{100} = 60\%$,

$\frac{8}{10} = \frac{80}{100} = 80\%$, $\frac{4}{10} = \frac{40}{100} = 40\%$

2b. 20 squares shaded = 20%

3b. Tyler = 30%; Nathan = 90%; Willow = 77%; Nathan reaches the final.

4b. True

Expected

5b. $\frac{6}{25} = \frac{24}{100} = 24\%$, $\frac{5}{20} = \frac{25}{100} = 25\%$,

$\frac{9}{50} = \frac{18}{100} = 18\%$, $\frac{2}{4} = \frac{50}{100} = 50\%$

6b. 36 squares shaded = 36%

7b. Skyla = 58%; Kira = 75%; Dawson = 28%; Kira reaches the final.

8b. False, $\frac{14}{20}$ is 70%.

Greater Depth

9b. $\frac{48}{75} = 64\%$, $\frac{15}{60} = 25\%$,

$\frac{26}{65} = 40\%$, $\frac{39}{60} = 65\%$

10b. 40% chose bourbons.

11b. Will = 70%; Ruby = 92%; Betty = 70%; Ruby reaches the final.

12b. True