Answers – Developing Fractions to Decimals 1

Varied Fluency

1a. 4, 7

2a. True

3a. A = 0.8, B = 0.9, C = 0.6

4a. A = 0.5, B = 0.4, C = 0.7

Reasoning and Problem Solving

1a. Neither are correct. They are equivalent.

2a. 0.5, 0.01, 0.3, 0.9. Order: 0.01, 0.3, 0.5, 0.9.

3a. Various answers, for example: $\frac{2}{10} = 0.2$; $\frac{4}{10} = 0.4$

Answers – Developing Fractions to Decimals 1

Varied Fluency

1b. 1, 0

2b. False. It is 0.07

3b. A = 0.7, B = 0.05, C = 0.9

4b. A = 0.9, B = 0.7, C = 0.1

Reasoning and Problem Solving

1b. Cian is correct. $\frac{2}{100}$ is 0.02 which is less than 0.2.

2b. 0.8, 0.4, 0.05, 0.3. Order: 0.8, 0.4, 0.3, 0.05.

3b. Various answers, for example: $\frac{42}{100} = 0.42$; $\frac{48}{100} = 0.48$; $\frac{54}{100} = 0.54$

Answers – Expected
Fractions to Decimals 1

Varied Fluency

1a. 7, 0, 3
2a. False. It is 0.7
3a. A = 0.8, B = 0.25, C = 0.3
4a. A = 0.6, B = 0.8, C = 0.25

Reasoning and Problem Solving

1a. Chuan is correct. $\frac{4}{5}$ is 0.8 which is greater than 0.7.
2a. 0.5, 0.2, 0.6, 0.4. Order: 0.2, 0.4, 0.5, 0.6.
3a. Various answers, for example:
$\frac{16}{32}$ = 0.5; $\frac{17}{34}$ = 0.5; $\frac{18}{36}$ = 0.5

Answers – Expected
Fractions to Decimals 1

Varied Fluency

1b. 6, 4, 7
2b. True
3b. A = 0.6, B = 0.25, C = 0.2
4b. A = 0.4, B = 0.8, C = 0.6

Reasoning and Problem Solving

1b. Scarlett is correct. $\frac{2}{5}$ is 0.4 which is greater than 0.2.
2b. 0.7, 0.6, 0.15, 0.9. Order: 0.9, 0.7, 0.6, 0.15.
3b. Various answers, for example:
$\frac{12}{20}$ = 0.6; $\frac{12}{25}$ = 0.48; $\frac{18}{30}$ = 0.6

Answers – Greater Depth
Fractions to Decimals 1

Varied Fluency

1a. 1, 5, 7, 5

2a. True

3a. A = 0.125, B = 0.75, C = 0.875

4a. A = 0.3, B = 0.8, C = 0.45

Reasoning and Problem Solving

1a. Alesha is correct. $\frac{3}{8}$ is 0.375 which is less than 0.625.

2a. 0.375, 0.625, 0.625, 0.75.
Order: 0.75, 0.625, 0.625, 0.375

3a. Various answers, for example:
$\frac{4}{32}$ = 0.125; $\frac{12}{32}$ = 0.375; $\frac{20}{32}$ = 0.625

Answers – Greater Depth
Fractions to Decimals 1

Varied Fluency

1b. 1, 2, 2, 5

2b. True

3b. A = 0.8, B = 0.375, C = 0.6

4b. A = 0.75, B = 0.625, C = 0.375

Reasoning and Problem Solving

1b. Neither are correct. They are equivalent.

2b. 0.875, 0.75, 0.8, 0.375.
Order: 0.375, 0.75, 0.8, 0.875.

3b. Various answers, for example:
$\frac{2}{8}$ = 0.25; $\frac{6}{8}$ = 0.75; $\frac{4}{16}$ = 0.25