

Reasoning and Problem Solving Recognise Tenths And Hundredths

Developing

1a. Various answers, for example:

$$\frac{81}{100} \quad \frac{82}{100} \quad \frac{83}{100} \quad \frac{84}{100} \quad \frac{85}{100}$$

2a. Hafsa is incorrect because she should have 17 hundredths in the whole of the bar model.

3a. Joe is correct because both representations have 2 tenths and 9 hundredths.

Expected

4a. Various answers, for example:

$$\frac{35}{100} \quad \frac{36}{100} \quad \frac{37}{100} \quad \frac{38}{100} \quad \frac{39}{100}$$

5a. Millie is incorrect because she has put 70 tenths, rather than 7 tenths.

6a. Lucas is incorrect because he has written 80 tenths instead of 8 tenths in his part-whole model.

Greater Depth

7a. Various answers, for example:

$$\frac{31}{100} \quad \frac{32}{100} \quad \frac{33}{100} \quad \frac{34}{100} \quad \frac{35}{100}$$

8a. Carlos has written 4 hundredths rather than 4 tenths.

9a. Eesa is incorrect because the part-whole model shows a total of 80 tenths instead of 8 tenths. The bar model shows 9 hundredths instead of 9 tenths.

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Developing

1b. Various answers, for example:

$$\frac{27}{100} \quad \frac{37}{100} \quad \frac{47}{100} \quad \frac{57}{100} \quad \frac{67}{100}$$

2b. Felix is incorrect because he has mixed up his tenths and hundredths. It should be 5 tenths and 4 hundredths.

3b. Lucy is incorrect because the hundred square shows 80 hundredths, not 78 hundredths.

Expected

4b. Various answers, for example:

$$\frac{74}{100} \quad \frac{75}{100} \quad \frac{76}{100} \quad \frac{77}{100} \quad \frac{78}{100}$$

5b. Zack is incorrect because he has mixed up the numerators. There should be 4 tenths and 9 hundredths.

6b. Zainab is incorrect as the parts of her part-whole model represent 80 hundredths. The answer is 7 tenths and 1 hundredths.

Greater Depth

7b. Various answers, for example:

$$\frac{70}{100} \quad \frac{72}{100} \quad \frac{74}{100} \quad \frac{76}{100} \quad \frac{78}{100}$$

8b. Arlo has written 3 tenths rather than 3 hundredths.

9b. Tilly is incorrect as her part-whole model and bar model show 2 hundredths rather than 2 tenths.