Reasoning and Problem Solving
Tenths as Decimals

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Developing
1a. Tanya is incorrect because the hundred square shows nine tenths shaded or 0.9 but she has written 0.7.
2a. Patrick is correct because there are six tenths shaded so 0.6 is the correct decimal.
3a. Any two from the following: 0.5, 0.6, 0.7

Expected
4a. Lucy is incorrect because the bar model shows seven tenths shaded or 0.7 but she has written 0.9.
5a. Both children are correct because they have represented the tenths differently.
6a. Any two from the following: 0.4, 0.6, 0.8

Greater Depth
7a. Alice is incorrect because the arrow on the number line shows eight tenths or 0.8 but she has written 0.7.
8a. Sebastian is correct because two fifths is equivalent to four tenths.
9a. 0.6, 0.8

Developing
1b. Ahmed is correct because the hundred square shows four tenths shaded.
2b. Both children are correct because there are four tenths shaded and they have represented the number in two ways.
3b. Any two from the following: 0.3, 0.4, 0.5

Expected
4b. Jamie is correct because the arrow on the number line shows two tenths.
5b. Jen is correct because one whole is equal to ten tenths.
6b. Any two from the following: 0.3, 0.5, 0.7

Greater Depth
7b. Marcus is incorrect because the bar model shows four fifths, which is equivalent to eight tenths or 0.8.
8b. Both children are correct because they have represented the tenths differently.
9b. Any two from the following: 0.3, 0.5, 0.7