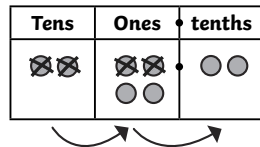




1) a)  $14 \div 10 = 1.4$

When dividing by 10, we move the counters or digits one place to the *right*.

b)  $22 \div 10 = 2.2$



2)  $29 \div 10 = 2.9$

3) a)  $48 \div 10 = 4.8$

d)  $79 \div 10 = 7.9$

b)  $55 \div 10 = 5.5$

e)  $30 \div 10 = 3$

c)  $61 \div 10 = 6.1$

f)  $82 \div 10 = 8.2$

4) a)  $19 \div 10 = 1.9$

b)  $8.7 = 87 \div 10$

1) This calculation is correct because the digits would both move one place to the right on the place value grid. 40 would become 4 and 2 would become 0.2. This would make 4.2 overall.

2) Disagree. When you divide a number by 10, the digits on a place value grid always move one place to the right. This shows that each digit is becoming 10 times smaller.

3) Saba has divided by 10 incorrectly. She has moved the digits on the place value grid two places to the right, instead of just one place. The answer should be 6.5.



1)

| Snake      | Length |
|------------|--------|
| anaconda   | 12m    |
| python     | 6m     |
| rat snake  | 1.2m   |
| corn snake | 0.6m   |



2) The mystery number is 2.4.

Clue A and Clue D are extra clues.

Clue A is not needed because we know from Clue B that, when you multiply the mystery number, the answer is smaller than 30. This means we know that the mystery number can't have any hundreds.

Clue D is not needed. From Clue B, we know that the mystery number multiplies by 10 to make 21, 22, 23, 24 or 25. This means that the mystery number must be 2.1, 2.2, 2.3, 2.4 or 2.5. All of these numbers only have ones and tenths, so we do not need Clue D.