

Term 5 Week 5 - Maths Tasks:

Decimal sequences and Multiplying/Dividing Decimals by 10/100/1000

1. 9.48    9.52    9.56    9.6

The decimal 9.7 will be in this sequence.

Do you agree?

Explain your answer.

2. Multiplying by 100 is just the same as doing  $10 \times 10$

Multiplying by 1000 is just the same as doing  $10 \times 10 \times 10$

Do you agree?

Explain your answer.

3.  $34.2 \div \underline{\quad} = 0.342$

$\underline{\quad} \div 10 = 54.1$

$\underline{\quad} \div 10 = 1.93 \div 100$

4. 1 litre of lemonade = £1.80

1 kg of cocoa = £12

What is the cost of 100ml of lemonade?

What is the cost of 200g of cocoa?

5. Reena thinks:

$$0.351 \div 10 = 3.51 \div 100$$

$$3.51 \div 100 = 35.1 \div 1000$$

Is Reena correct?

Explain reasoning.