LO: To divide decimals by 10, 100 and 1000.



Marvellous Challenge

1. Copy out and complete the following:

1238 ÷ 1000 = <mark>1.238</mark>	36277 ÷ 1000 = <mark>36.277</mark>
13820 ÷ 100 = <mark>138.20</mark>	37622 ÷ 100 = <mark>376.22</mark>

 $1238 \div 10 = 123.8$ $362.7 \div 100 = 3.627$

2. This number has been divided by 100. What is the original number? 702.1



Copy and complete the fol	lowing calculations:
5443 ÷ <u>100</u> = 54.43	12340÷_ <mark>1000</mark> _=12.34
_ <mark>5403.3</mark> _ ÷ 100 = 54.033	_ <mark>1203.4</mark> _ ÷ 100 = 12.034
54430 ÷ 1000 = _54.43_	12304 ÷ 10 = _ 1230.4 _

- 4. Dividing by 1000 can also help to convert some measurements from one unit to another. Are the conversions below correct?
- 1670g = 16.7 kg No it should be 1.67kg 5689m = 568.9km No it should be 5.689km
 - 5. Use the digit cards to create answers to the calculations below. Which calculation cannot be answers? You can use the cards more than once.



A = 70.23 B = 0.623 C = 3.08 (it cannot be made)

6. These children are converting units of measure. Who is correct? Give a reason for your answer.



Alice and Chuan are correct. Cian only divided by 100. Jilly is incorrect as she has swapped the order of digits.

7. These children are thinking of numbers. Can you work out which number each person is thinking of?



Josh is thinking of 21.55 Maisie is thinking of 7.185

