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

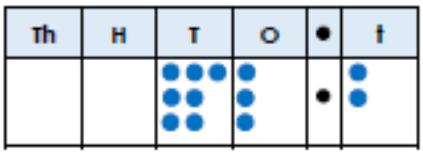
Beautiful Challenge

1. Copy out and complete the following:

325 ÷ 10 = 550 ÷ 100 = 5400 ÷ 1000 =

3010 ÷ 100 = 4505 ÷ 100 = 3205 ÷ 10 =

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



3. Copy and complete the following calculations:

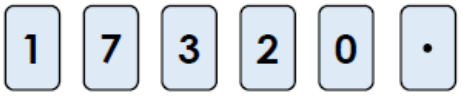
5100 ÷ _____ = 5.1 5132 ÷ _____ = 51.32

513 ÷ _____ = 5.13 134 ÷ _____ = 1.34

1230 ÷ _____ = 1.23 1.2 ÷ _____ = 0.12

4. True or False? 5151 ÷ 100 = 515.1

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.

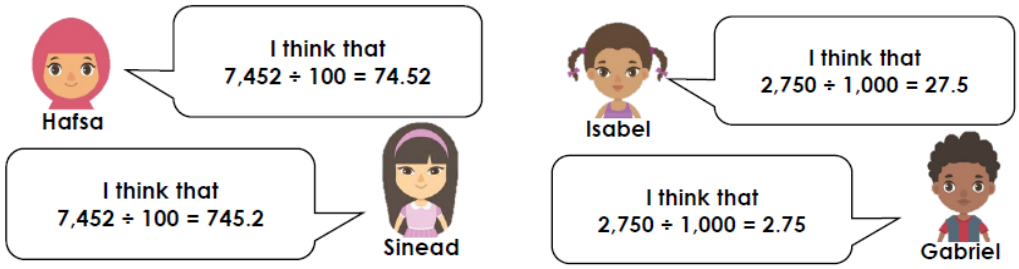


A. 7,132 ÷ 10 = ☐

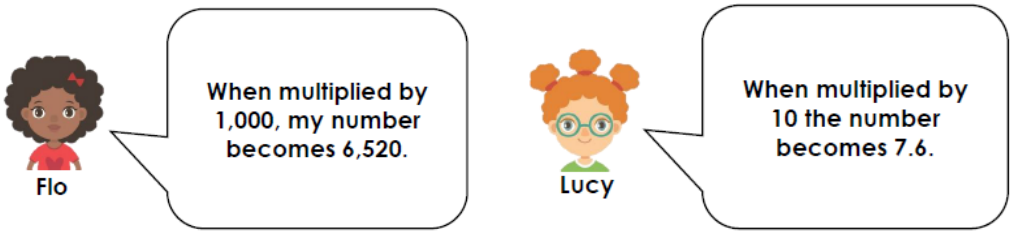
B. 7,140 ÷ 100 = ☐

C. 721 ÷ 10 = ☐

6. These children are dividing numbers. Who is correct? Give a reason for your answer.



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



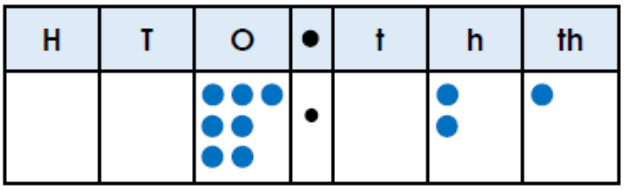
Marvellous Challenge

1. Copy out and complete the following:

1238 ÷ 1000 = 36277 ÷ 1000 = 1238 ÷ 10 =

13820 ÷ 100 = 37622 ÷ 100 = 362.7 ÷ 100 =

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



3. Copy and complete the following calculations:

5443 ÷ _____ = 54.43 12340 ÷ _____ = 12.34

_____ ÷ 100 = 54.033 _____ ÷ 100 = 12.034

54430 ÷ 1000 = _____ 12304 ÷ 10 = _____

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 5689m = 568.9km

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.

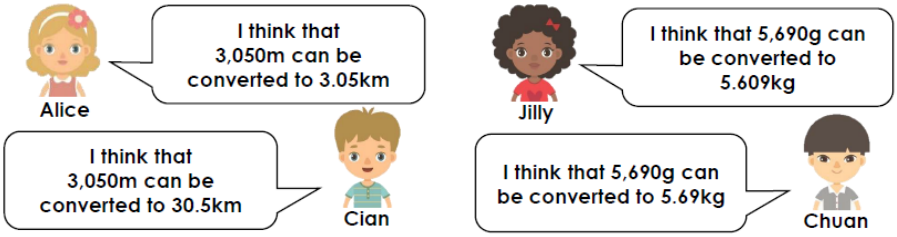
7	2	3	0	6	·

A. 7,023 ÷ 100 = ☐

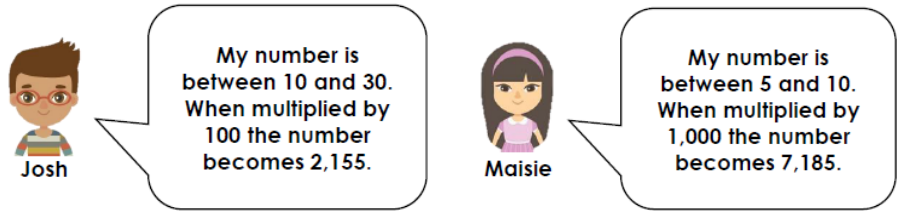
B. 623 ÷ 1,000 = ☐

C. 30.8 ÷ 10 = ☐

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



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



Splendid Challenge

1. Copy out and complete the following:

699 ÷ 300 = 46.6 ÷ 20 = 6400.6 ÷ 200 =

2303 ÷ 100 = 3203 ÷ 100 = 96009 ÷ 3000 =

2. Rosie has made 4509ml of squash. She drinks 1312ml. How many litres of squash is left?
3. Jack needs to cycle 52459m for charity. He rests after 24362m. How many kilometres has Jack got left to cycle?

4. Copy and complete the following calculations:

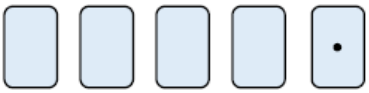
42.304 x _____ = 84608 69909 ÷ _____ = 23.303

48602 ÷ 200 = _____ 64090 ÷ 1000 = _____

4109 ÷ ____ = 41.09 _____ x 200 = _____

5. True or False? 8202 ÷ 2000 = 41.01

6. Complete the digit cards to create answers to two of the calculations below. Which calculation cannot be answers using your digit cards?

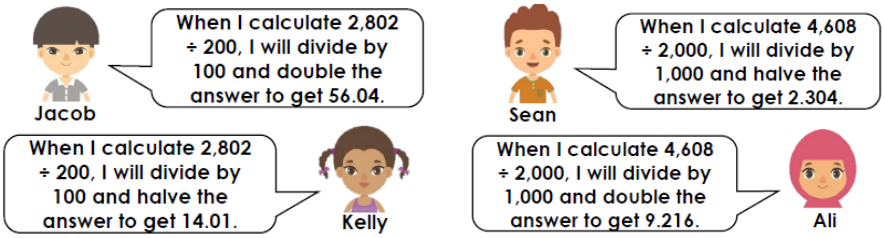


A. 423.1 ÷ 10 = ☐

B. 4,826 ÷ 200 = ☐

C. 4,512 ÷ 100 = ☐

7. These children are dividing numbers. Who is correct? Give a reason for your answer.



8. These children are thinking of numbers. Can you work out which number each person is thinking of? Give three possible answers and use the units they have used.