



1) Use the place value grid to divide 62.5 by 10.

H	T	O	t	h	th

2) Use the place value grid to divide 137 by 100.

H	T	O	t	h	th

3) The place value chart shows the answer when 235 has been divided by 1000. Is this true or false?

H	T	O	t	h	th
		● ●	● ● ●	● ● ● ●	

4) When dividing by 10, 100 or 1000, what calculation produces the answer shown in the place value grid? Give two examples.

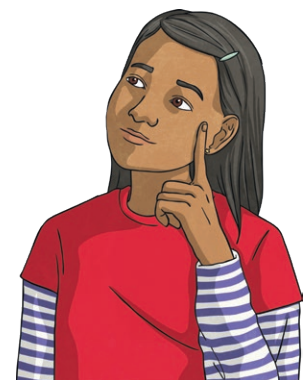
H	T	O	t	h	th
		●	● ●	● ● ●	

5) Circle the digit cards to complete each calculation.

a) $10.82 \div 10 =$ 10.82 1.082 108.2

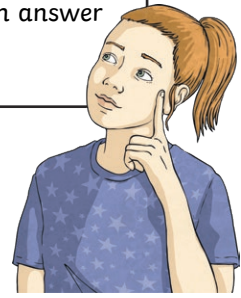
b) $9.08 \div 100 =$ 0.908 0.0908 0.00908

c) $33.6 \div 1000 =$ 3.36 33.36 0.0336



1) Do you agree with Rachel? Explain with reasoning.

Dividing any number by 10, 100 or 1000 will always give an answer that is smaller than the original number.



2) Complete the number sentence to find out whether the number has been divided by 10, 100 or 1000. Explain your answer.

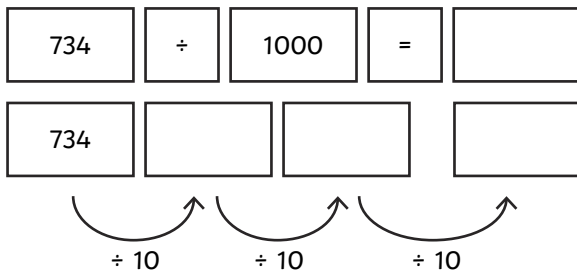
$$978 \div 10 \div \boxed{} = 0.978$$

3) 10 family members win the lottery. They share £2435 equally between themselves.

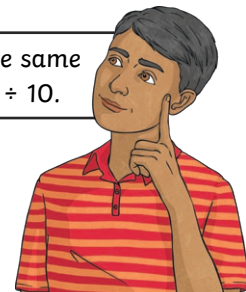
a) How much money does each family member receive in pounds and pence?

b) How much money does each family member receive in pence? Explain your answer.

4) Complete the blank boxes below then explain whether Ranjit's statement is true or false.



Dividing by 1000 is the same as calculating $10 \div 10 \div 10$.





1) Year 5 are working out the best deal when purchasing plastic cups for a whole school celebration.

It costs £175.00 to buy 100 cups from Twinkl Land.

It costs £1250.00 to buy 1000 cups from Twinkl Warehouse.

a) Which store would give year 5 the best deal? Explain your answer.

b) What would the total cost be of buying 100 cups from each store? Give your answer in pence.

2) Children in year 5 are discussing the money they have left over after their birthday.

I have 10 times less than Chad left over.



Amy

I have 18p left over.



Beth

The amount I have left over is 10 times more than Chad and also 100 times more than Amy.



Dillon

I have 1000 times more left over than Beth.



Chad

	Amy =
	Beth =
	Dillon =
	Chad =

3) Pick a number that is less than one million. Investigate the possibility of producing an answer, from the calculation below, that is between zero and one.

How many possible answers can you find? Investigate.

