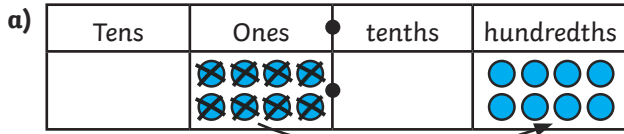
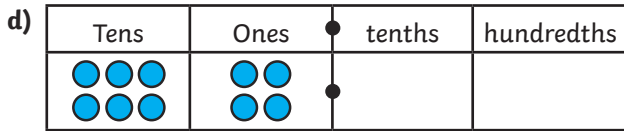
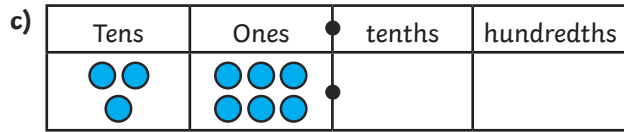
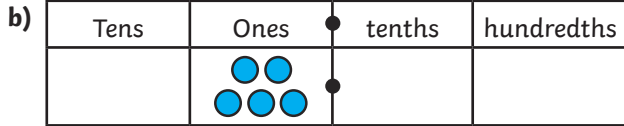


- 1) Khatija has made numbers on place value grids. To divide each number by 100, she has moved the counters and written the answer. Complete the diagrams and write the calculations. The first one has been done for you.



$$8 \div 100 = 0.08$$



- 2) Circle the correct words:

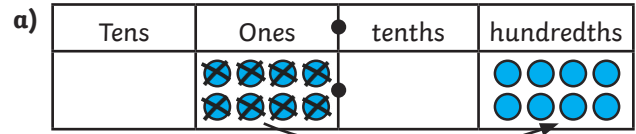
To divide a number by 100, the digits

move  places to the .

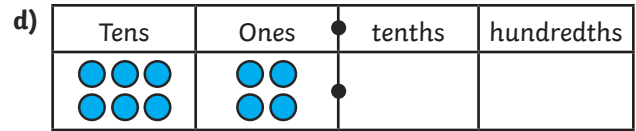
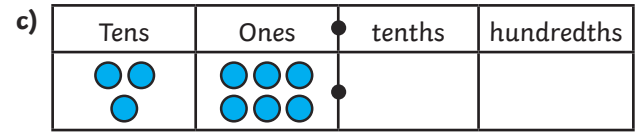
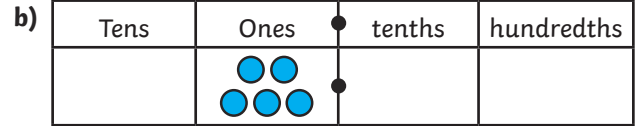
- 3) Use this rule to find the missing numbers.  
Draw place value grids if you need to.

a) $2 \div 100 =$ <input type="text"/>	b) $7 \div 100 =$ <input type="text"/>
c) <input type="text"/> $\div 100 = 0.09$	d) $34 \div 100 =$ <input type="text"/>
e) $98 \div 100 =$ <input type="text"/>	f) $60 \div 100 =$ <input type="text"/>
g) <input type="text"/> $\div 100 = 0.22$	h) <input type="text"/> $\div 100 = 0.83$

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When a 2-digit number is divided by 100, the answer will always be greater than when a 1-digit number is divided by 100.



- 1) Is this statement always, sometimes or never true? Give 4 examples to show why you think this is so and explain your decision.
- 2) Two children are thinking of a number.

Shona: The number I'm thinking of is 100 times smaller than 48.

Leo: My number is between 0.45 and 0.51.

- a) Leo says that he definitely has the greater number. Shona says that you can't say who has the greater number from the information given. Who is correct? How do you know?
- b) If Leo does have the greater number, what number divided by 100 could give his answer?

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- 1) Which do you think is most useful to help divide 1 and 2 digits by 100: a place value chart or a Gattegno grid? Explain your reasoning.



Gattegno Grid

hundredths	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
tenths	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
Ones	1	2	3	4	5	6	7	8	9
Tens	10	20	30	40	50	60	70	80	90

Place Value Chart

Tens	Ones	● tenths	hundredths
		●	
		●	
		●	

- 2) Complete these calculations. Use the Gattegno grid for one and a place value chart for the other. Explain how you worked out the answers.

- a)  $76 \div 100$
- b)  $8 \div 100$

- 3) Write calculations to give the answers shown.

$$\boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}}$$

- a) an answer less than 0.15
- b) an answer greater than 0.5
- c) an answer less than 0.24 and greater than 0.04

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hundredths	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
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Ones	1	2	3	4	5	6	7	8	9
Tens	10	20	30	40	50	60	70	80	90

Place Value Chart

Tens	Ones	● tenths	hundredths
		●	
		●	
		●	

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