

1) Count in steps of 9 to draw a pathway through the maze moving vertically, horizontally or diagonally.



Start	45	35	45	54	63	84	42	43	92
9	25	36	15	7	65	72	90	99	100
6	18	27	10	0	72	37	81	70	108
27	61	100	21	33	56	58	90	32	Finish

2) Here are ten of the multiples of 9. Can you place them in order and identify which two multiples of 9 are missing?

45 72 27 90 18 99 36 81 9 54

The missing multiples of 9 are and .

3) Solve these calculations.

$9 \times 5 = \square$ $9 \times 5 \times 10 = \square$ $9 \times 5 \times 100 = \square$

$45 \div 9 = \square$ $450 \div 90 = \square$ $4500 \div 900 = \square$

4) Dan has accidentally muddled up these calculations. Can you find the missing values then help him to rearrange the related calculations into two groups?

$9 \times 4 = \square$ $12 \times \square = 108$ $36 \div 9 = \square$

$108 \div 9 = \square$ $\square \times 9 = 360$ $1080 \div 90 = \square$

Group One	Group Two

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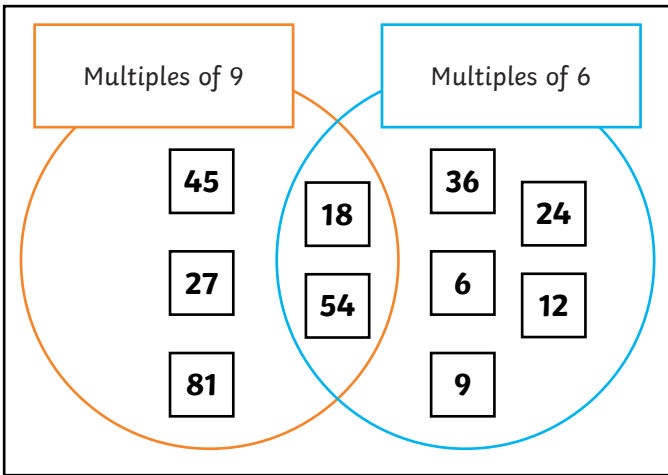
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Group One	Group Two

- 1) Molly has sorted these numbers into the Venn diagram. Do you agree or disagree? Explain your answer.



- 2) Which one is the odd one out? Explain your reasoning.

$$63 \div 9 = 7$$

$$700 \times 9 = 63\,000$$

$$90 \times 70 = 6300$$

$$10 \times 7 \times 9 = 630$$

- 3) Zak has been writing different calculations using the numbers and symbols in this box. Unfortunately, his water bottle has leaked on his maths book. Can you work out which numbers or symbols have been washed away? Explain how you know.

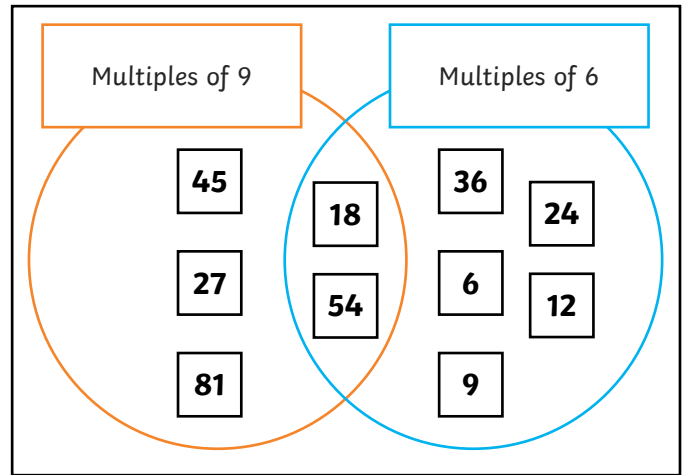


9	6	10	100
	×	÷	

540 <input type="text"/> 9 = 60	<input type="text"/> × <input type="text"/> = 54
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$9 \times 6 \times$	<input type="text"/>	$= 540$
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1) a) The 9 times table has been written using symbols but it has not been written in the correct order.



Use your problem-solving skills to identify what each calculation is and which number each symbol represents.

× =
 × =
 × =
 × =
 × =
 × =
 × =
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 × =
 × =
 × =
 × =

b) Explain how you solved this problem.

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