

Week 1

This week in a nutshell:

The Spring term begins with underpinning some of the key skills that are used throughout the term in relation to coordinates, graphs and types of measure. Each week revisits some of the topics that students have already covered; sometimes these questions are independent and sometimes they are tethered to a new topic. This spiralling will boost student confidence and enhance fluency.

Question 1: Understanding scales

Question 2: Using powers of 10

Question 3: Checking factors

Question 4: Completing tables of values

Question 5: Divisibility

This week's ideas for class discussion include:

Question 1: **Understanding scales**

- Where do we see scales being used?
- Why is an accurate scale important?

Question 2: **Using powers of 10**

- How and why do powers of ten allow us to manipulate numbers quickly?

Question 3: **Checking factors**

- Why does checking factors of a number help with multi-step calculations?

Question 4: **Completing tables of values**

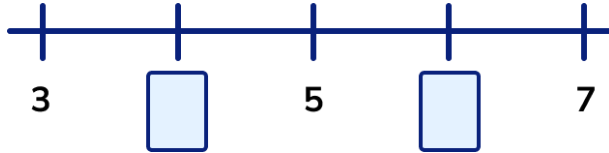
- How can a table of values help us organise our thought process?

Question 5: **Divisibility**

- What rules of divisibility can you remember?

Week 1: Day 1

- 1) Fill in the missing numbers



- 2) Evaluate

$$2.3 \times 10 =$$

- 3) Circle the number that is not a factor of 30.

2, 3, 4, 5, 6

- 4) Complete with table of values if $y = x + 2$

x	0	1	2	3
y		2		

- 5) Circle the number that is a multiple of 3.

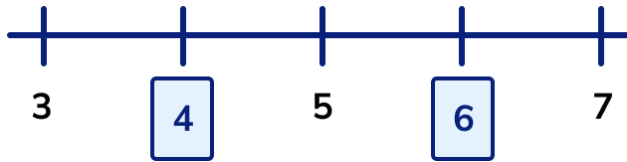
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Week 1: Day 1 Answers

- 1) Fill in the missing numbers



- 2) Evaluate

$$2.3 \times 10 = 23$$

- 3) Circle the number that is not a factor of 30.

2, 3, 4, 5, 6

- 4) Complete with table of values if $y = x + 2$

x	0	1	2	3
y	2	3	4	5

- 5) Circle the number that is a multiple of 3.

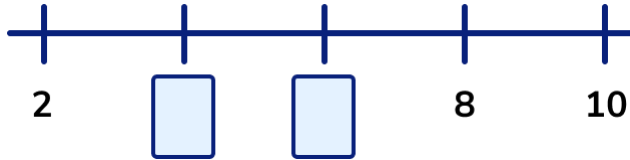
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Week 1: Day 2

1) Fill in the missing numbers



2) Evaluate

$$1.6 \times 10^3 =$$

3) Circle the number that is not a factor of 24.

2, 3, 4, 5, 6

4) Complete with table of values if $y = 2x$

x	0	1	2	3
y				6

5) Circle the number that is a multiple of 4.

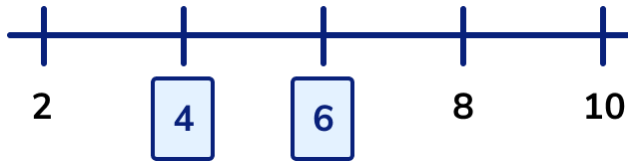
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Week 1: Day 2 Answers

- 1) Fill in the missing numbers



- 2) Evaluate

$$1.6 \times 10^3 = 1600$$

- 3) Circle the number that is not a factor of 24.

2, 3, 4, 5, 6

- 4) Complete with table of values if $y = 2x$

x	0	1	2	3
y	0	2	4	6

- 5) Circle the number that is a multiple of 4.

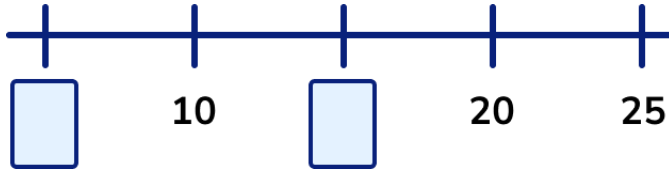
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Week 1: Day 3

1) Fill in the missing numbers



2) Evaluate

$$2.72 \div 10^2 =$$

3) Circle the number that is not a factor of 64.

2, 4, 6, 8

4) Complete with table of values if $y = 2x + 2$

x	0	1	2	3
y			6	

5) Circle the number that is a multiple of 6.

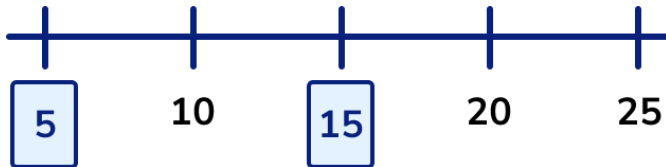
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Week 1: Day 3 Answers

- 1) Fill in the missing numbers



- 2) Evaluate

$$2.72 \div 10^2 = 0.0272$$

- 3) Circle the number that is not a factor of 64.

2, 4, 6, 8

- 4) Complete with table of values if $y = 2x + 2$

x	0	1	2	3
y	2	4	6	8

- 5) Circle the number that is a multiple of 6.

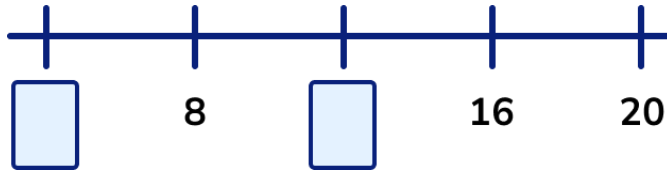
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Week 1: Day 4

1) Fill in the missing numbers



2) Evaluate

$$500 \times 10^4 =$$

3) Circle the number that is not a factor of 100.

5, 10, 15, 20, 25

4) Complete with table of values if $y = 3x - 1$

x	0	1	2	3
y		2		

5) Circle the number that is a multiple of 7.

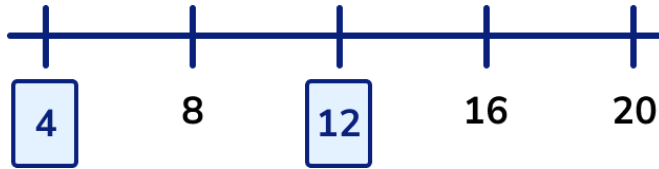
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Week 1: Day 4 Answers

- 1) Fill in the missing numbers



- 2) Evaluate

$$500 \times 10^4 = 5\,000\,000$$

- 3) Circle the number that is not a factor of 100.

5, 10, 15, 20, 25

- 4) Complete with table of values if $y = 3x - 1$

x	0	1	2	3
y	-1	2	5	8

- 5) Circle the number that is a multiple of 7.

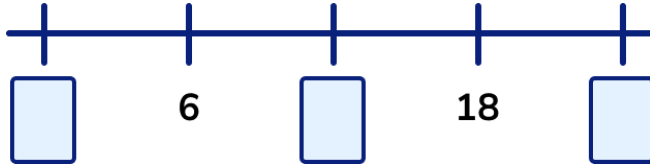
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Week 1: Day 5

- 1) Fill in the missing numbers



- 2) Evaluate

$$423 \div 10^3 =$$

- 3) Circle the number that is not a factor of 48.

3, 6, 9, 12

- 4) Complete with table of values if $y = \frac{x}{2} - 3$

x	-2	0	2	4
y				-1

- 5) Circle the number that is a multiple of 9.

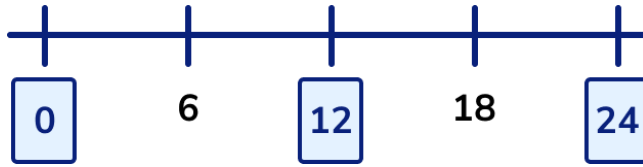
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Week 1: Day 5 Answers

- 1) Fill in the missing numbers



- 2) Evaluate

$$423 \div 10^3 = 0.423$$

- 3) Circle the number that is not a factor of 48.

3, 6, 9, 12

- 4) Complete with table of values if $y = \frac{x}{2} - 3$

x	-2	0	2	4
y	-4	-3	-2	-1

- 5) Circle the number that is a multiple of 9.

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