

Year 5 knowledge organiser Maths Autumn 2 questions

Section 1 – Square and prime numbers

1. What is a square number?	The product of a number multiplied by itself.
2. What digits can a square number only end in?	0, 1, 4, 6, 9 or 25.
3. What symbol do we use to show square numbers?	
4. What are prime numbers?	Numbers that have just 2 factors - only divided by themselves and 1.
5. What are the first five prime numbers?	2, 3, 5, 7, 11

Section 2 – Multiply by 10, 100 and 1000

1. Name 3 other words for multiplication	product, groups of and times.
2. When multiplying by 10, how many columns do you move?	1 column to the left.
3. When multiplying by 100, how many columns do you move?	2 columns to the left.
4. When multiplying by 1000, how many columns do you move?	3 columns to the left.
5. What do you use to hold a place value column open?	A place holder zero.

Section 3 – divide by 10, 100 and 1000

1. Name 3 other words for division	Share, divide and group.
2. When dividing by 10, how many columns do you move?	1 column to the right.
3. When dividing by 100, how many columns do you move?	2 columns to the right.
4. When dividing by 1000, how many columns do you move?	3 columns to the right.
5. What do you use to hold a column?	A place holder zero.

Section 4 - Perimeter

1. What does perimeter mean?	Perimeter is the length around the outside of a 2D shape.
2. How do you calculate perimeter of a 2D shape?	Add the lengths of all sides together.
3. What properties of rectangles can be useful when calculating missing lengths?	Opposite sides are equal length.

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Section 5- Area

1. What does area mean?	The amount of space inside a 2D shape.
2. How do you calculate the area of a rectangle?	Multiply length by width Area = length x width
3. Which units are used to measure area?	Square units. $\text{cm} \times \text{cm} = \text{cm}^2$ $\text{m} \times \text{m} = \text{m}^2$
4. What must you do if your lengths of sides are given in different units?	Convert them to the same unit.