SAINT JOHN'S

Year 5 – Autumn 2

This term your child will be learning about:

Multiplication and Division

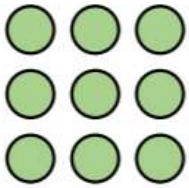
Fluency:

Circle the multiples of 5

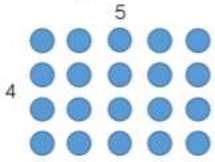
25 32 54 175 554 3000

What do you notice about the multiples of 5?

What does this array show you?
Why is this array square?



If you have twenty counters, how many different ways of arranging them can you find?



How many factors of twenty have you found by arranging your counters in different arrays?

$36 \times 5 = 180$

Use this fact to solve the following questions:

$36 \times 50 =$ ___ $\quad 500 \times 36 =$ ___

$5 \times 360 =$ ___ $\quad 360 \times 500 =$ ___

Problem Solving:

Dora is thinking of a two-digit number that is both a square and a cube number. What number is she thinking of?

Teddy says,

Factors come in pairs so all numbers must have an even number of factors.

Do you agree?
Explain your reasoning.

Use the digit cards to fill in the missing digits.

1	2	3	4	5	6	7	8	9

$170 \div 10 =$ __

__ $20 \times 10 = 3,$__ 00

$1,8$__ $0 \div 10 = 1$__ 6

__ $9 \times 100 = 5,$__ 00

6__ $= 6,400 \div 100$

Mathematical Talk:

Are all the multiples of 8 multiples of 4?
Do factors always come in pairs?
What is a prime number?
What is a composite number?
Why are square numbers called 'square' numbers?

Key Skills: Recall multiples of all times tables in order up to 12 x 12