# Day 3 Starter



III

1) Calculate $7 + 3 \times 7$

2) List all of the single digit prime numbers

3) Is the statement true or false?

$13 \times 13$ is equal to $169 \div 13$

4) $1\text{ kg} \approx 2.2\text{ lb}$.

Approximately how many lb are equal to 4 kg?

# Day 3 Starter



III

1) Calculate $7 + 3 \times 7$ 28

2) List all of the single digit prime numbers 2, 3, 5, 7

3) Is the statement true or false?

False

$13 \times 13$ is equal to $169 \div 13$

4) 1 kg $\approx$ 2.2 lb.

Approximately how many lb are equal to 4 kg? 8.8 lb

## Lock 2

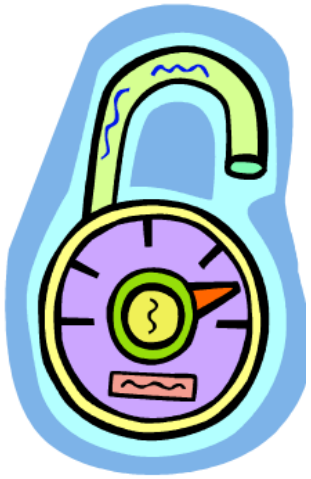
- The last number is 27 ÷ 3
- The third number is a third of the last number
- The second number is double the third number
- The first and last number add up to 10

## Lock 3

- All the numbers are next to each other when you count
- The last number is the same as the number of sides on an octagon
- The first number is double $2\frac{1}{2}$

## Lock 1

- The first number is a quarter of 8
- The second number is 10 take away itself
- The third number is double the first number
- The last number is the second number add 5



## Lock 2

1639

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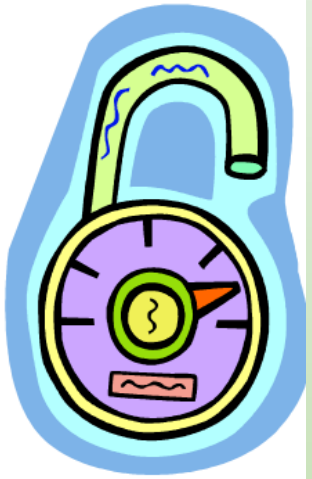

2045

## Lock 3

5678

- All the numbers are next to each other when you count
- The last number is the same as the number of sides on an octagon
- The first number is double $2\frac{1}{2}$

## Lock 1

- The last number is 50% of 10
- If you multiply the last number by the first number, you get 10
- The third number is the first number times by itself
- The second number is one less than the difference between the last two

## Lock 2

- The numbers in the sequence are odd, even, odd, odd
- The second, third and last numbers are multiples of three
- All the numbers are different
- The first and last digits are square numbers
- The third number is smaller than the last but bigger than the first

## Lock 3

- The first number and second number add up to $\frac{1}{2}$ of 22
- If you multiply the last number by the first number, you get 40
- The second number is $\frac{1}{4}$ of 24
- All the numbers add up to 26

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2045

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5678

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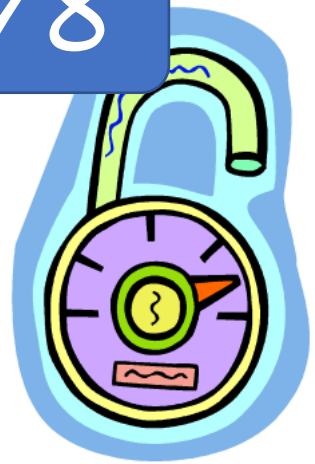

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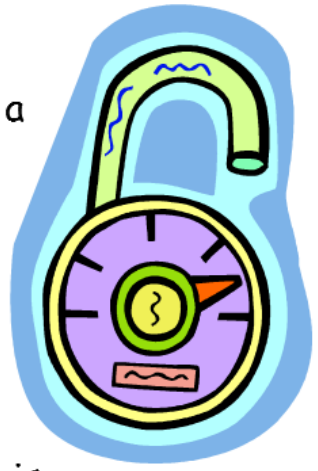


- The last number times the first number is a multiple of 10
- The last number is the number of edges on a cube take away the number of sides on a parallelogram
- The second number is double the difference between the first and last
- If the first number is x, the third number is x + 2

## Lock 2

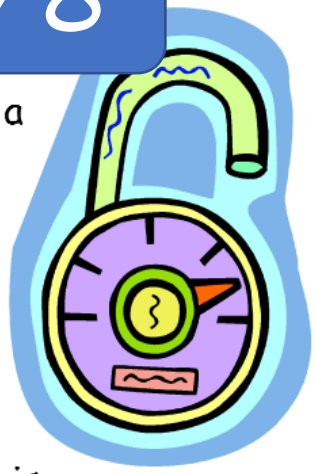
- If the second number is **n**, the third number is **n – 3**
- The second number is 75% of 8
- The last number is an odd square number and so is the first number, which is smaller
- All the numbers add up to 19

## Lock 1

- The second digit doesn't change if you multiply it by any other number
- The last digit is 2.5 times the first digit
- The first digit is an even prime number
- The difference between the first two numbers is double the difference between the last two numbers
- The third digit is a square number

## Lock 3

5678



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2045


Why not have a go at creating your own lock combination for a family member to solve?