

# Ashfield Valley Primary School— Year 4 –Spring 1 Knowledge Organiser

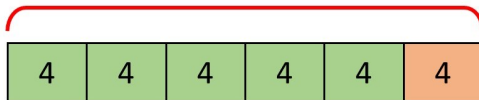
## Fractions of Amounts

Hannah & Sal share 24 sweets.

Hannah gets  $\frac{5}{6}$  of them. Sal gets  $\frac{1}{6}$  of them.

How many sweets do they each get?

24



Hannah gets 20 sweets. Sal gets 4 sweets.



## Fractions and decimals

You need to remember these conversions

0.1 = one tenth

0.01 = one hundredth

0.25 = one quarter

0.5 = one half

0.75 = three quarter

## Multiplication and division

### M6: Column Multiplication

$$\begin{array}{r} 147 \\ \times 4 \\ \hline 588 \end{array}$$

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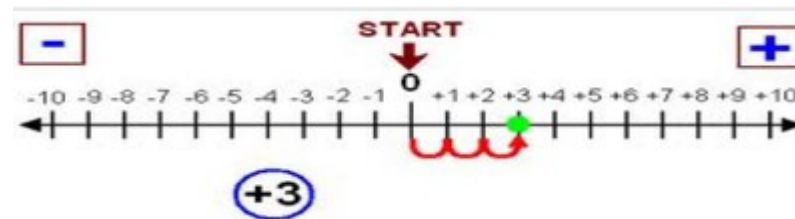
### D10: Short Division

$$136 \div 4 = 34$$

$$\begin{array}{r} 34 \\ 4 \overline{)136} \\ \underline{12} \phantom{0} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

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## Negative numbers



Children need to be able to count back through zero and use negative numbers.

### Questions

The temperature dropped ten degrees. If it started at five degrees, what is the temperature now?

## Addition and subtraction

### S11: Column Subtraction

$$\begin{array}{r} 723 \\ - 356 \\ \hline 367 \end{array}$$

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### A7: Column Addition

$$\begin{array}{r} 687 \\ + 248 \\ \hline 935 \end{array}$$

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## Time

Children must be able to tell the time using analogue (clocks with a face) or digital clocks. Please practise telling the time at home as this is something children always find difficult.

### Questions

How many minutes until.....?

What time will it be in half an hour?

What time was it fifteen minutes ago?

How long until 12 o'clock?

Which times tables do you need to learn?  
Remember to use TT Rocks Stars to practise your times tables!