


# Ashfield Valley Primary School— Year 3—Summer 2-Maths Knowledge Organiser

## Fractions




$$\frac{3}{8}$$

**Numerator**  
How many equal parts of the whole are needed?


**Denominator**  
How many equal parts are in the whole?

## Fractions of amounts


$\frac{1}{4}$  of 24 = 6



$\frac{1}{3}$  of 72 = 24



$\frac{2}{5}$  of 40 = 16



## Statistics

**title** Table to Show Ticket Prices at a Local Cinema

<b>heading</b> Ticket Type	Weekday Price	Weekend Price
Adult	£6	£7.50
Child	£4	£4.50
Student	£5.50	£6

**information**

Using the table, we can see the cost of an adult and a child visiting the cinema on a Monday would be £10.

## Addition and Subtraction

**A7: Column Addition**

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

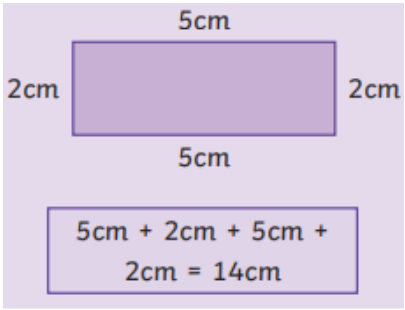
**S11: Column Subtraction**

$$\begin{array}{r} 6 \text{ } 11 \text{ } 1 \\ 723 \\ - 356 \\ \hline 367 \end{array}$$

## Perimeter

Area is the amount of space inside a 2D shape.

Perimeter is the total distance around the outside of a 2D shape.



$$5\text{cm} + 2\text{cm} + 5\text{cm} + 2\text{cm} = 14\text{cm}$$

## Measurement


Length	Mass	Capacity
cm = centimetres	g = grams	ml = millilitres
m = metres	kg = kilograms	l = litres
km = kilometres		

## Multiplication and division


**M6: Column Multiplication**

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

**D10: Short Division**



$$136 \div 4 = 34$$


## Time



**Minute Hand**  
The long hand points to the minutes past or the minutes to the hour.

**Hour Hand**  
The short hand points to the hour. If this hand is pointing between hours, it is either past the earlier hour or to the later hour.

	 twelve o'clock		 quarter past twelve
	 half past twelve		 quarter to one