Numeracy

Decimal Numbers

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Calculate 7.8 + 0.92

$$\begin{array}{r} 7.80 \\ +\,0.92 \\ \hline 8.72 \end{array}$$

Calculate 4 - 0.84

$$\begin{array}{r} {}^{3}\cancel{4}.{}^{9}\cancel{0}{}^{1}0 \\ -\,0.84 \\ \hline 3.16 \end{array}$$

When multiplying by a single digit the decimal point always stays in line.

Example : Calculate 23.68 × 7

$$\begin{array}{r} 23.68 \\ \times\,7 \\ \hline 165.76 \end{array}$$

When dividing by a single digit the decimal point always stays in line.

Example : Calculate 17.16 ÷ 6

$$6\overline{)\,{}^{1}1{}^{5}7.{}^{3}1\,6}\quad 2.86$$

Numeracy

Simple Percentages

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Find 25% of £40

$$\frac{1}{4} \times 40$$

$$40 \div 4 = 10$$

100%	50%	$33\frac{1}{3}\%$	25%	20%	10%	5%	1%
1	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{10}$	$\frac{1}{20}$	$\frac{1}{100}$

Numeracy

Harder Percentages

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Calculator Method

e.g. 19% of £60

$\frac{19}{100} \times 60 = £11.40$

Non-Calculator Method

e.g. 17.5% of 300

10% 300 ÷ 10 = £30
5% 30 ÷ 2 = £15
2.5% 15 ÷ 2 = £ 7.50
17.5 % £52.50

Numeracy

Conversions

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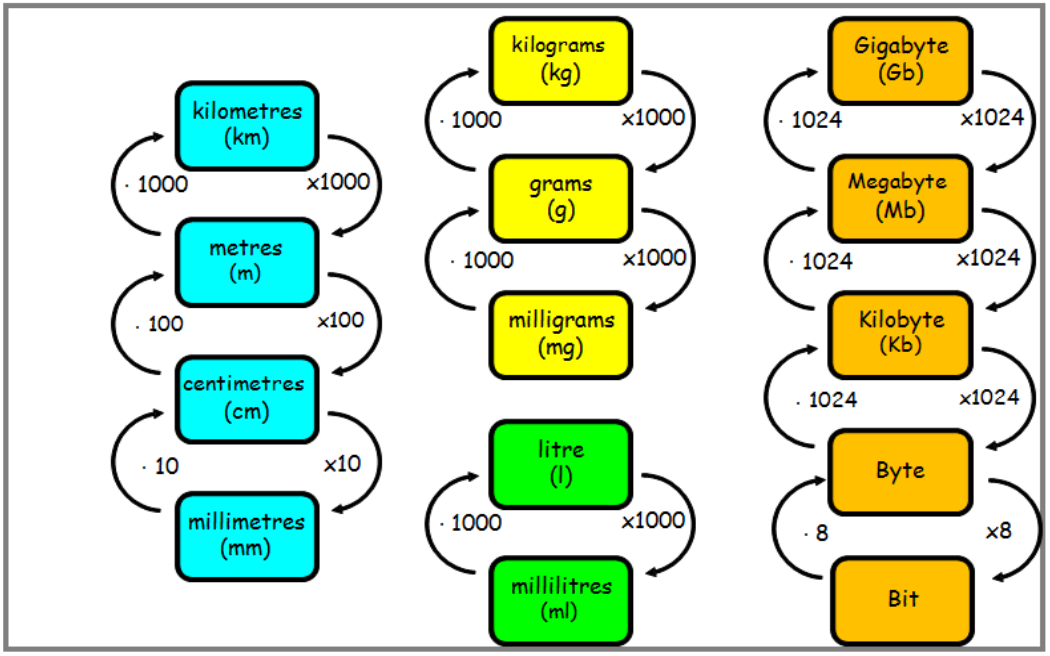

Numeracy

Time Intervals

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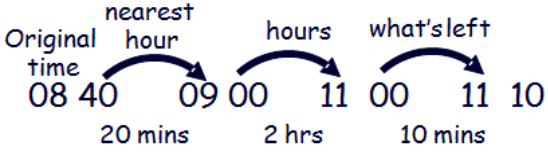
When working out time difference we will use the Counting On Method. This method will always work.

Example : Find the time difference between 08 40 hrs and 11 10 hrs



Hrs	Mins
	20
2	
+	10
2	30

Numeracy

Scientific Notation

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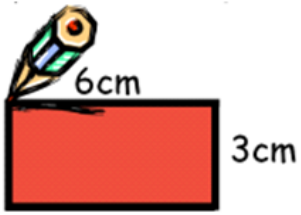
(More than 1) Large Numbers	(Less than 1) Small Numbers
$a \times 10^n$	$a \times 10^n$
a is between 1 and 10 n is positive	a is between 1 and 10 n is negative
$46700 = 4.67 \times 10^4$	$0.104 = 1.04 \times 10^{-1}$
$2.91 \times 10^3 = 2910$	$3.7 \times 10^{-5} = 0.000037$

Numeracy

Perimeter and Area

www.mathsrevision.com

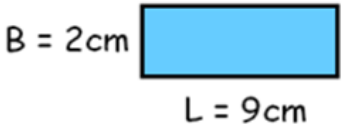
Calculate the perimeter of the rectangle below.



Perimeter = 6 + 3 + 6 + 3

= 18cm

Find the area of the rectangle.



Area = Length × Breadth

$A = L \times B$

$A = 9 \times 2$

$A = 18\ cm^2$

Numeracy

Ratio

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Bill and Ben share a raffle win of £400 in the ratio 3:5. How much does each get ?

Step 1 : Since the ratio is 3:5, there are :

3+5 = 8 shares

Step 2 : Each share is worth : $8\overline{)400}$ = 50

Step 3 : Bill gets 3 x 50 = £150

Ben gets 5 x 50 = £250

Check !
150 + 250
= 400

Numeracy

Coordinates

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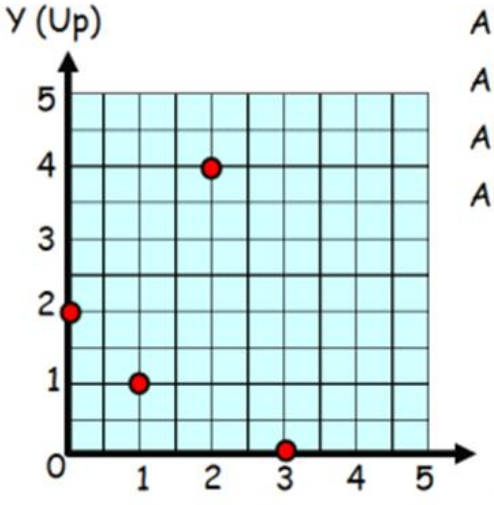

Along 1 Up 1 (1,1)

Along 2 Up 4 (2,4)

Along 0 Up 2 (0,2)

Along 3 Up 0 (3,0)

Numeracy

Area and Volume

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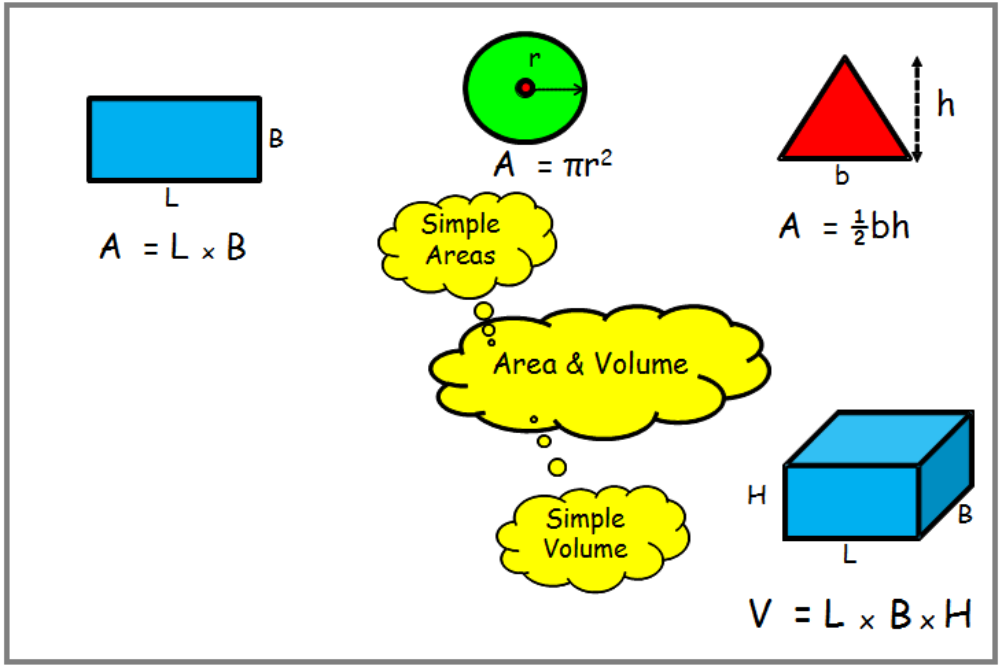

Numeracy

Bar Graph

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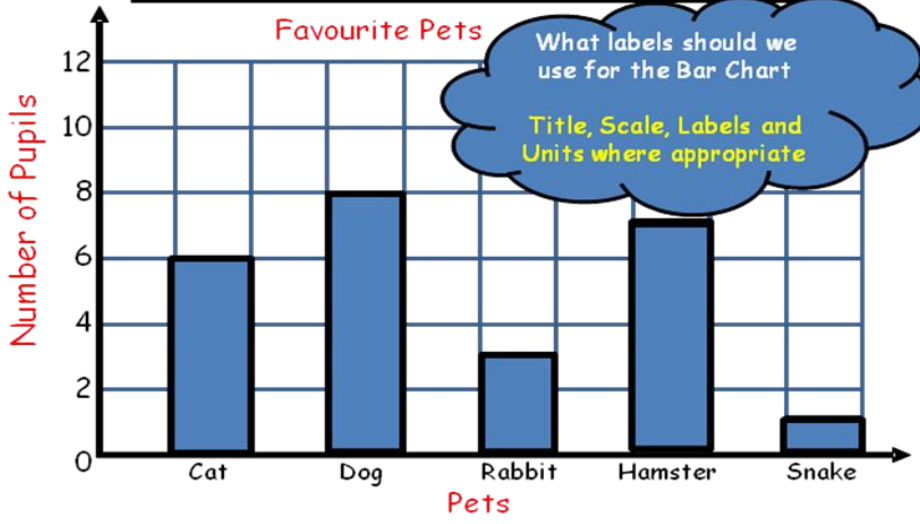
cat	dog	rabbit	hamster	snake
6	8	3	7	1



Numeracy

Pie Charts

www.mathsrevision.com

Drawing Pie Charts

Musical Instrument	
Guitar	35
Violin	10
Recorder	15
Drum	5
Keyboard	25
Total	90

In a survey, people were asked to indicate which one of five musical instruments they played. The information is given in the table. Display the information in a pie chart.

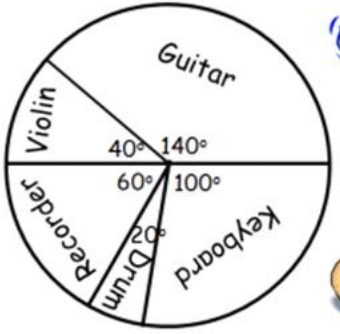
Guitar angle = $\frac{35}{90} \times 360 = 140°$

Violin angle = $\frac{10}{90} \times 360 = 40°$

Recorder angle = $\frac{15}{90} \times 360 = 60°$

Drum angle = $\frac{5}{90} \times 360 = 20°$

Keyboard angle = $\frac{25}{90} \times 360 = 100°$



Numeracy

Study Skills For Success

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Practice the things you find difficult !

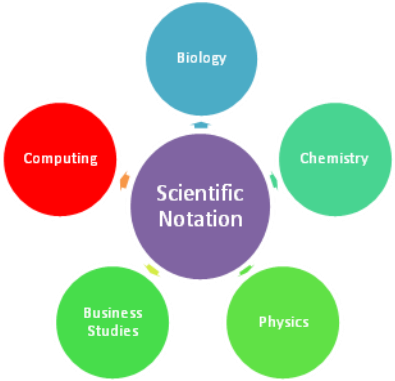
Expect to get out what you put in

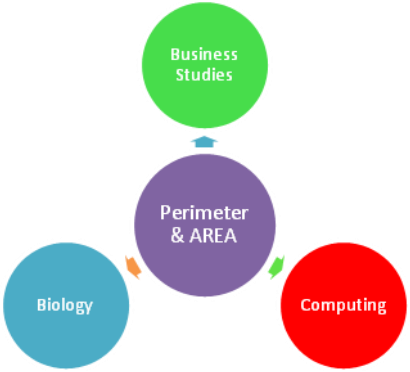
Practice makes perfect !

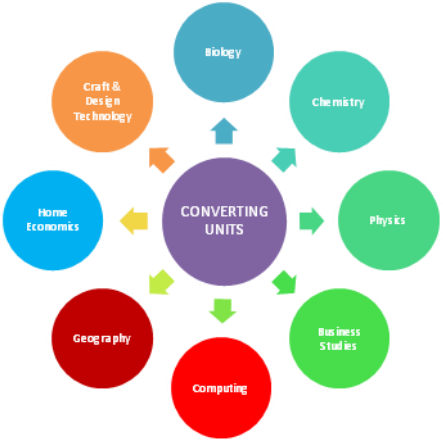
Revision is active NOT passive

Success is 99% perspiration 1% inspiration

LOOK OUT FOR THESE POSTERS IN EACH OF THE DEPARTMENTS SHOWN







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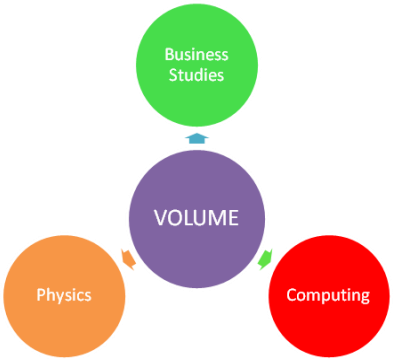

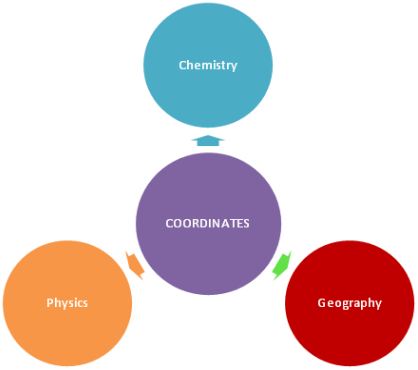

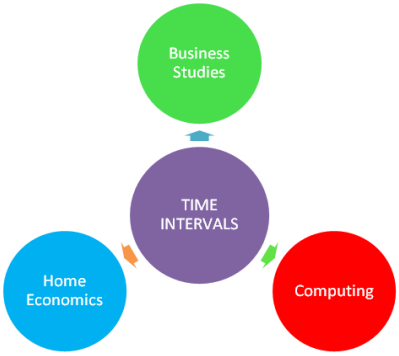

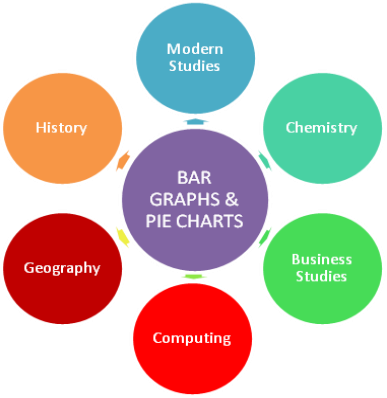

NUMERACY RECORD

DATE	DEPARTMENT	NUMERACY SKILL

NUMERACY RECORD

DATE	DEPARTMENT	NUMERACY SKILL

NUMERACY RECORD

DATE	DEPARTMENT	NUMERACY SKILL

NUMERACY RECORD

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