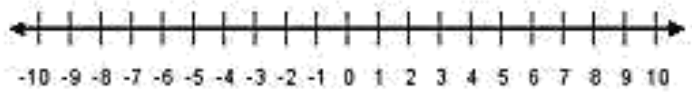


Number

Numeracy4All Tips

Carried numbers

Borrowed numbers



Percent - Stands for parts per 100

Percentages of an amount

10% Divide by 10	5% Half 10%	1% Divide by 100
20% Double 10%	50% Half 100%	25% Half 50%

Percentage increase or decrease

Increase add the percentage amount on
(Inflation, interest, rise, etc.)

Decrease subtract the percentage amount
(Sale, deflation, fall, depreciation, etc.)

Finding the percentage

Remember Percent is out of 100
E.g. There are 200 people in year 7 and 126 girls
What percentage are girls?

Write as fraction ___ out of ___

The line in the fraction stands for divide.

$$\frac{126}{200} \times 100 = 63\%$$

What to put in a calculator?
 $126 \div 200 = 0.63$
 $0.63 \times 100 = 63\%$

Addition and subtraction

When adding and subtracting numbers remember to keep your numbers lined up.

$$\begin{array}{r} 11 \\ 369 \\ +631 \\ \hline 1000 \end{array}$$

$$\begin{array}{r} 6712 \\ 56- \\ \hline 16 \end{array}$$

Multiplication 1

x	30	5
20	600	100
6	180	30

$600 + 100 = 700$
 $180 + 30 = 210$
 $700 + 210 = 910$

Multiplication 2

	2	7	8	
0	6	2	1	2
0	8	2	8	2
9	4	5	2	

$278 \times 34 = 9,452$

Division

$360 \div 8 = 45$

$$\begin{array}{r} 045 \\ 8 \overline{)360} \\ \underline{32} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$3 \div 8 = 0 \text{ r } 3$
 $36 \div 8 = 4 \text{ r } 4$
 $40 \div 8 = 5$



Carry remainders

When talking about money think about how a shop displays the price.

£1.4
 £1.40

Ratio

Bart and Lisa share £35 in the ratio 3:4. How much money do they get each?

Bart : Lisa

Ratio is in the order the names/objects appear in Question.

$$\begin{array}{c} 3 : 4 \\ 5 \quad 5 \quad 5 \quad 5 \\ 5 : 5 \quad 5 \end{array}$$

$35 \div 7 = £5$
£15 : £20

Fractions of Amounts

*Divide by the **bottom**, times by the **top***

$\frac{3}{5}$ of £35 is **£21**

$35 \div 5 = 7$
 $7 \times 3 = 21$

Bottom = Denominator
Top = Numerator