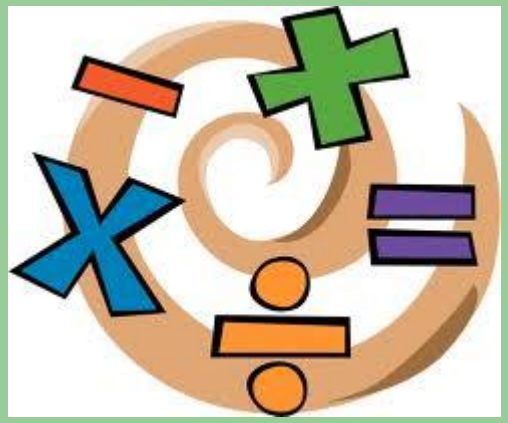
MATHS WORKSHOP



Year 6

October 2019

Aims of the session are

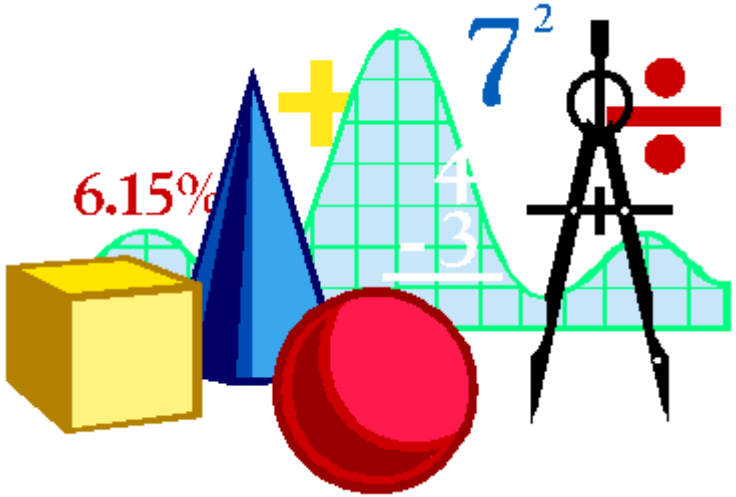
- to have a clear understanding of the age related expectation (ARE) for your child
- to understand the structure of the maths session.
- to provide a guidance of how you can support your children at home.

Core of the Primary Maths Curriculum

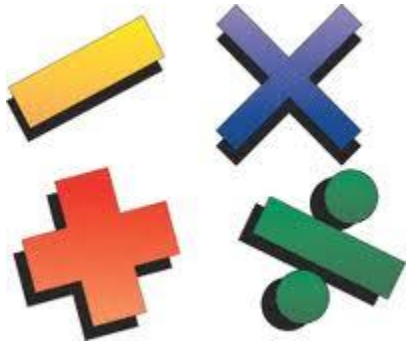
Fluency	Reasoning	Problem solving
Ability to recall and apply rapidly and accurately. Apply knowledge to increasingly complex problems.	Reasoning mathematically through enquiry and seeing relationships between concepts. Develop argument, justify and prove using mathematical language.	Ability to apply skills to routine and non-routine problems. Ability to break down problems into steps in seeking solution.

Agenda

- Arithmetic
- Calculation strategies
- Useful Websites
- Questions

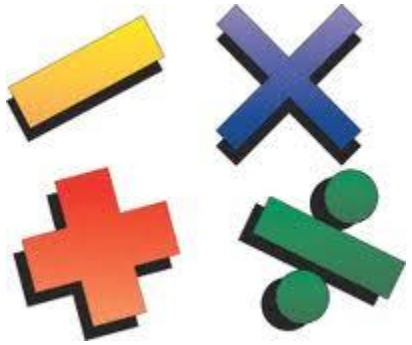


Arithmetic



1. 7.3 + 0.2
2. 25% of 1264
3. 2/7 + 1/7
4. 6 – 4.27

Arithmetic



1. 7.3 + 0.2 = 7.5
2. 25% of 1264 = 316
3. 2/7 + 1/7 = 3/7
4. 6 – 4.27 = 1.73

Calculation Strategies
ADDITION

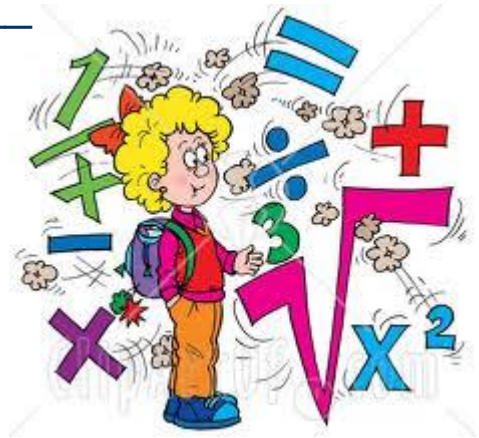
6 214 + 7 449 = 13663

23.6 + 4.21 = 27.81

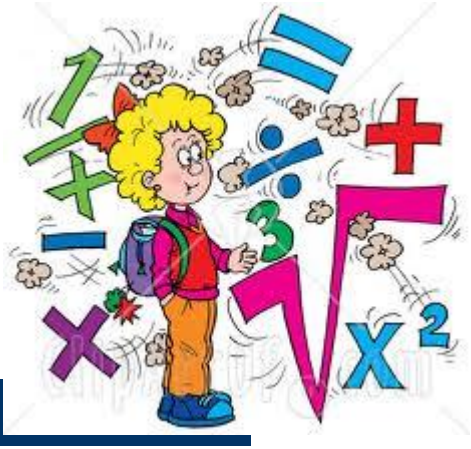
Remember to line up the place values and decimal point.

$$\begin{array}{r} 7449 \\ +\ 6214 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23.6 \\ +\ 4.21 \\ \hline \\ \hline \end{array}$$



SUBTRACTION



8076.19 – 5456.42 = 2619.77

26.2 - 2.62 = 23.58

8076.19
- 5456.42

_____

_____

26.2
- 2.62

_____

_____

MULTIPLICATION

Calculate: 56 x 8

$$\begin{array}{r} 5\ 6 \\ \times\quad 8 \\ \hline 4 \\ \hline 4\ 4\ 8 \\ \hline \end{array}$$

Children must know their time tables to 12 x 12 from memory!

MULTIPLICATION

Calculate: 3**123 × 37**

$$
\begin{array}{r}
3123 \\
\times\ 37 \\
\hline
\begin{array}{r} {\scriptstyle 1\ 2} \\ 21861 \end{array} \\
+\ 93690 \\
\hline
115551
\end{array}
$$

MULTIPLICATION

Calculate: 232 x 1.2

Multiply by 10 to get rid of the decimal point.

1.2 x 10 = 12

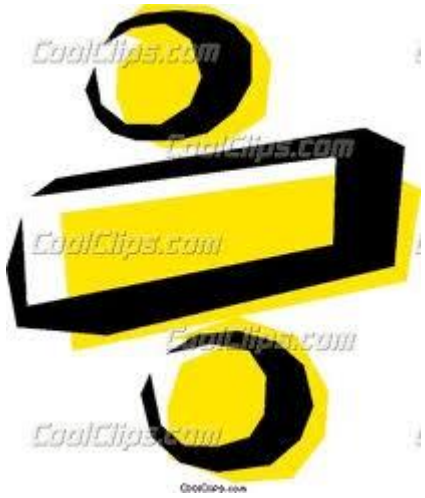
$$\begin{array}{r} 232 \\ \times\ 12 \\ \hline 464 \\ 2320 \\ \hline 2784 \end{array} \div 10$$

Final answer = 278.4

DIVISION

Calculate **364 ÷ 7**

	5	2
7	3 6	1 4



Step 1: How many 7s go into 36?

5 r 1.

Step 2: Place 9 on top of the bus stop and the remainder 1 you place in front of the 4.

Step 3: How many 7s go into 14?

2

Step 4: Place the 2.

DIVISION

Calculate 48 ÷ 5

$$5 \overline{)\,4\ 8^{3}0} \quad 9.6$$

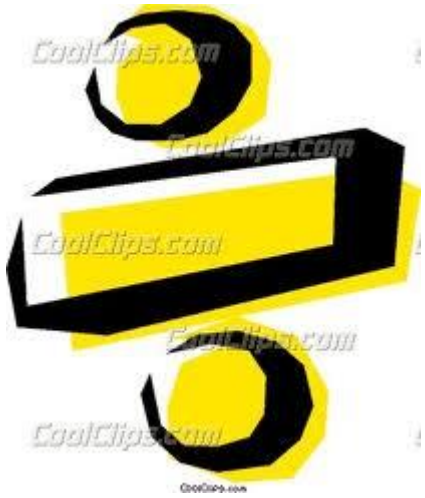
Step 1: How many 5s go into 48?

9 r 3.

Step 2: Place 9 on top of the bus stop and the remainder 3 after 48.

Step 3: Put a zero after the 3 and put a decimal point after 9.

Step 4: How many 5s go into 30. 6



DIVISION

Calculate 504 ÷ 21

    2 4
2 1 | 5 0 ^{8}4

Step 1: How many 21s go into 50?

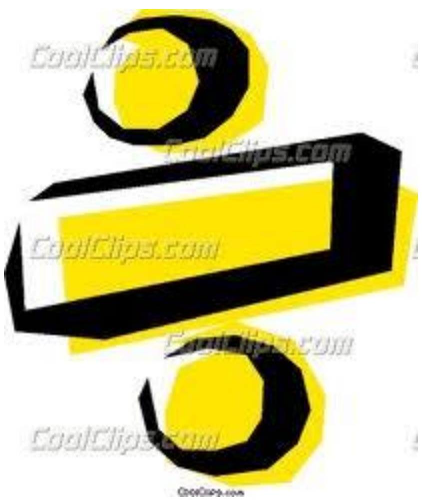
2 r 8.

Step 2: Place 2 on top of the bus stop and the remainder 8 before 4.

Step 3: How many 21s go into 84?

4

Step 4: Place 4 on top of the bus stop.



Test time!

Useful websites to support your child at home.

- https://www.ncetm.org.uk/
- https://www.havefunteaching.com
- www.mathsframe.co.uk
- www.whiz.com
- www.ictgames.com
- www.bbc.co.uk/schools
- www.crickweb.co.uk
- www.ictgames.com/resources.html
- www.nrich.maths.org
- www.lancsngfl.ac.uk
- www.topmarks.co.uk
- www.mathletics.co.uk
- www.themathsfactor.com
- www.mathsformumsanddads.co.uk
- www.mathsisfun.com
- https://ttrockstars.com/login/21697

Questions!

We Value your opinion

- Please complete an evaluation sheet.

Thank you