

## Maths: Parent Workshop

## Expectations at the end of year 6

With the person next to you can write down what children would need to know to answer this year 6 SATS question.

18 A cat sleeps for 12 hours each day. $50 \%$ of its life is spent asleep.


Wite the missing percentage.
A koala sleeps for 18 hours each day.


## $\overline{1 \text { mark }}$

Calculation Policy Guidance


## 


Doubling three digit numbers and multiples of 5,10 and 100

Children to use informal written methods and formal written methods. Divisibility rules - for the $2,3,4,5$, 10 and 100 times tables. Write and calculate mathematical statements for division using the multiplication tables that they know, including for two digit numbers times one-digit numbers, using mental and progressing to formal written methods. Solv problems, including missing number problems, involving division, including positive integer scaling
problems and correspondence problems in which problems and corrested to m objects.
objects are connected
Short division
$98 \div 7$ becomes
begin to use
formal written methods down the page Subtraction sign on the left of the problem


Answer: 14

## addition

# X <br> multiplication 

The four operations

subtraction

## How we teach addition



Column method
$5674+679=$
$4768+3475=$
$1,567,879+24,343=$


How we teach subtraction


4537-479 =
$6000-1287=$

567,000-29390 =


How we teach multiplication

$$
\begin{array}{r}
372 \\
\times \quad 4 \\
\times 1488 \\
\hline 184 \\
\hline 1440 \\
\hline 8928 \\
\hline
\end{array}
$$

$$
\begin{aligned}
& 146 \\
& 547 \times 9=\square \\
& 647 \times 87= \\
& 5674 \times 78= \\
& \hline 584 \\
& \hline 12
\end{aligned} \begin{array}{r}
372 \\
\hline 1488 \\
\hline 7440 \\
\hline 8928 \\
\hline
\end{array}
$$

## How we teach division


$432 \div 15$ becomes

$\frac{12}{15}=\frac{4}{5}$ Answer: $28 \frac{4}{5}$

$446 \div 5=\square$
$6816 \div 12=$
$432 \div 15$ becomes
$1 \begin{array}{rrrrr} & & & 2 & 8 \\ & 5 & & \\ & 4 & 3 & 2 & \\ 3 & 0 & 0 & 15 \times 20 \\ & 1 & 3 & 2 & \\ & 1 & 2 & 0 & 15 \times 8 \\ & & 1 & 2 & \end{array}$

$$
\frac{12}{15}=\frac{4}{5}
$$

Answer: $28 \frac{4}{5}$

## Resources


www.nrich.maths.org
https://www.topmarks.co.uk/maths-games/hit-the-button
www.ncetm.org.uk
https://www.tes.com/teaching-resources/whiterosemathshub

