Portswood Primary School

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Headteacher - Tony Head

9 January 2026

Dear all,

There will be a House Group – Times Table Rockstars Battle of the Bands running from Friday 9 January until Thursday 22 January 2026.

We invite you to encourage your child to use Times Table Rockstars to practise recalling multiplication table facts and help win house points for their house team.

Pupils can play between 7:30am and 7:30pm each day, for no more than 45 minutes to score points for their team.

Learning times tables is one of the most useful ways that a child can be helped to develop maths in Key Stage 2 and beyond.

Good luck everybody.

J. Leonard

J.Leonard
Deputy Headteacher.

WHY ARE TIMES TABLES USEFUL?

TIMES TABLES ROCK STARS

NUMBER AND CALCULATION

WRITTEN MULTIPLICATION

$$\begin{array}{r} 758 \\ \times\ 8 \\ \hline 6064 \\ \hline 46 \end{array}$$

WRITTEN DIVISION

$$6 \overline{)\,654}^{\,109}_{\,5}$$

MENTAL MULTIPLICATION AND DIVISION

Using the facts you know to quickly work out answers in your head.

USING KNOWN FACTS TO FIND OTHERS WITH PLACE VALUE

$4 \times 6 = 24$
$40 \times 6 = 240$
$40 \times 60 = 2400$
$0.4 \times 6 = 2.4$
$0.4 \times 0.6 = 0.24$

WORD PROBLEMS

Sam can fit 12 tins of soup in each box, he has 11 boxes. How many tins of soup will he need to fill the boxes?

$12 \times 11 = 132$

ALGEBRA

$4x = 24 \quad x = 6$
$7x = 42 \quad x = 6$
$9x = 81 \quad x = 9$

RATIO

In a school playground, the ratio of boys to girls is 2:3. If there are 18 girls, how many boys are there?

PROPERTIES OF NUMBER

FINDING FACTORS

Factors of 12

$1 \times 12,\ 2 \times 6,\ 3 \times 4$

FACTORS

FINDING MULTIPLES

Multiples of 12

12, 24, 36, 48, 60, 72 .....

FINDING COMMON FACTORS

Factors of 12 ① × 12, ② × ⑥, ③ × 4

Factors of 18 ① × 18, ② × 9, ③ × ⑥

FINDING COMMON MULTIPLES

Multiples of 3

3, 6, 9, (12), 15, 18, 21, (24), 27, ...

Multiples of 4

4, 8, (12), 16, 20, (24)..

FINDING PRIME AND COMPOSITE NUMBERS

Prime numbers have only 2 factors

$\overset{7}{①\times⑦}\quad \overset{3}{①\times③}\quad \overset{5}{①\times⑤}$

Composite numbers have more than 2 factors

$\overset{6}{①\times⑥}\ \overset{}{②\times③}\qquad \overset{8}{①\times⑧}\ \overset{}{②\times④}$

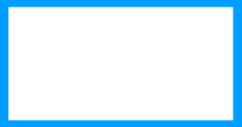
SQUARE AND CUBE NUMBERS

$2 \times 2 = 4$ ← Square

$3 \times 3 \times 3 = 27$ ← Cube

SHAPE

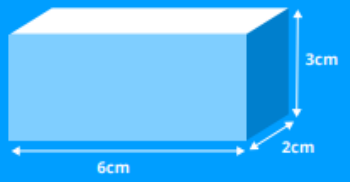
CALCULATING AREA: 6cm × 3cm = 18cm²



FINDING THE PERIMETER OF REGULAR POLYGONS

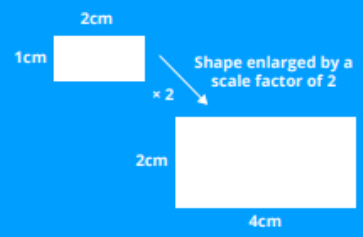
6 × 5cm = 30cm

CALCULATING VOLUME



6cm × 2cm × 3cm = 36cm³

SCALING SHAPES



FRACTIONS

SIMPLIFYING FRACTIONS

$\frac{2}{6} \longrightarrow \frac{1}{3}$

ADDING/SUBTRACTING FRACTIONS

$\frac{1}{3} + \frac{3}{6} = \frac{2}{6} + \frac{3}{6} = \frac{5}{6}$ (× 2 / × 2)

MULTIPLYING/DIVIDING FRACTIONS

$\frac{1}{2} \times \frac{2}{4} = \frac{1 \times 2}{2 \times 4} = \frac{2}{8} = \frac{1}{4}$

FINDING FRACTIONS OF WHOLE NUMBERS

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

ORDERING FRACTIONS

Put these fractions in order, largest first

$\frac{1}{2}\ \frac{6}{8}\ \frac{2}{5} \longrightarrow \frac{6}{8}\ \frac{1}{2}\ \frac{2}{5}$

CONVERTING BETWEEN MIXED NUMBERS AND IMPROPER FRACTIONS

$2\frac{1}{2} = \frac{5}{2}$

AND MANY MORE!