Year 4 Maths: How to support your child at home!

Below are the types of questions that your child will be coming across in their arithmetic (KIRFS) lessons every day. If you want to help your child, practise these types of questions!

Multiplication and division

Times tables from 1 - 12 and inverse, for example:

 $8 \times 9 = 72$ $72 \div 8 = 9$ $80 \times 9 = 720$ $720 \div 9 = 80$

Two digit multiplied/ divided by one digit:

 $45 \times 8 = 360$ $360 \div 8 = 45$

Three digit multiplied/ divided by one digit

 $367 \times 4 = 1468$ $1468 \div 4 = 367$

Division without a remainder

 $752 \div 8 = 94$ $1728 \div 18 = 96$

Division with a remainder

 $194 \div 5 = 38r4$ $236 \div 7 = 33r5$

Multiplication tests

This year we have a national test for Year 4 to complete in June (date to be confirmed).

It will be online and there will be twenty five questions in total. The pupils will have six seconds to answer each question which will look like this:

$$5 \times 3 = \square$$

One, two or three digit by numbers multiplied by 10, 100 and 1000 (answers to be up to 2 decimal places)

6 x 10 = 60 6 x 100 = 600 6 x 1000 = 6000 16 x 10 = 160

16 x 100 = 1600

6 x 1000 = 6000 163 x 10 = 1630

 $63 \times 100 = 6300$

8.1 x 1000 = 8100

(use numbers such as: 1234, 123, 12, 1, 12.3, 1.23, 0.23)

One, two or three digit by numbers divided by 10, 100 and 1000 (answers to be up to 2 decimal places)

 $6 \div 10 = 0.6$ $6 \div 100 = 0.06$ $16 \div 10 = 1.6$ $16 \div 100 = 0.16$ $16 \div 100 = 0.06$ $163 \div 10 = 16.3$ $163 \div 100 = 1.63$ $160 \div 1000 = 0.16$ (use numbers such as: 1234, 123, 12, 1, 12.3, 1.23, 0.23) Addition and Subtraction

Addition without carrying (Up to four digit)

345 +134 479

Addition with carrying (Up to four digit)

345 + 67 <u>412</u> 11

Subtraction without exchanging (Up to four digit)

234 -123 111

Subtraction with exchanging (Up to four digit)

2 ² 3 ¹1 -1 2 3 1 0 8

Addition and subtraction where the decimals need to be lined up and placeholders added: 34.8 + 8.67

34.80

+ 8.67 43.47 11

Subtracting a number with a decimal from a whole number: 8

-4.37 $^{7}8.^{9}0.^{1}0$ or subtract a hundredth 7.9.9 -4.3.7 3.6.3 -4.3.7 3.6.2

It is very important that your child knows their equivalent fractions and decimals.

3 6 3

Converting Fractions and Decimals

 $\frac{1}{2} = 0.50$ $\frac{1}{4} = 0.25$ $\frac{3}{4} = 0.75$ $\frac{1}{10} = 0.10$ $\frac{3}{10} = 0.30$

 $^{7}/_{10} = 0.70$ $^{9}/_{10} = 0.90$

 $^{1}/_{100} = 0.01$

 $^{2}/_{100} = 0.02$ $^{3}/_{100} = 0.03$

 $^{42}/_{100} = 0.03$

Adding and subtracting fractions

 $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$ $\frac{3}{4} + \frac{3}{4} = \frac{6}{4} = \frac{1}{2} = \frac{1}{2}$ $\frac{2}{7} + \frac{4}{7} = \frac{6}{7}$