BEECHFIELD SCHOOL – KEY MATHS FACTS

These fact should be **rapidly recalled** by the children by the time they finish that year. Children can use resources and counting to learn the facts but they should be able to rapidly recall them without props by the end of the year. This will free up working memory so that children can solve increasingly complex problems.

These facts will be taught by the teacher but then reviewed frequently. Teachers should also review the facts from the previous year.

Reception

Number bonds to 5.

Doubles up to double 5.

Some number bonds to 10.

Example Questions

5 is the same as 2 and ___?

What is double 3?

Year 1

Number bonds to 10

Some fluency in number bonds to 6,7,8,9

Double and halves to 20

Count by rote in 2, 5 and 10

Example Questions

4 + __ 10

10 – 3 =

8 = __ + 4

What is double 6?

What is half of 12?

Year 2

Number bonds to 20

Fluent in number bonds to 6,7,8,9

10, 5, 2, 4, 8 times tables

Example Questions

20 – 3 =

5 x __ = 25

9 = 7 + ___

6 – 3 = ___

Year 3

Number bonds to 11, 12, 13,14,15,16,17,18,19

All times tables up to 12 x 12

Scaling by 10 using place value

Number bonds to 100

Example Questions

14 – 6 =

5 + ___= 13

144 = __ x 12

___ + 33 = 100

63 x 10 =

Year 4

Review of all times tables facts up to 12 x 12.

Decimal and fraction equivalents

½, ¼, ¾, 1/10, 2/10… 1/100, 2/100…

Scaling by 10 and 100 using place value

Example Questions

0.34 = ?/100

5 ÷ 10 =

0.6 x 100 =

Year 5

Decimal number bonds to 1 and 10

Metric conversions

Scaling by 1/10 and 1/100 using place value

Example Questions

0.6 + __ = 1

3.7 + __ = 10

0.75 + ___= 1

1kg = ___g

1 m = ___cm

1km = ___m

1L = ___mL

Year 6

Fluently convert between fractions, decimals and fractions including halves, quarters, fifths, tenth and hundredths.

Example Questions

What is 36% as a fraction? What about as a decimal?

What is 4/5 as a decimal? What about as a percentage?

What is 0.4 as a fraction? What about as a fraction?