KS2 SATs Maths help sheet

Fractions

How to add fractions:

$$\frac{2}{4} + \frac{3}{5}$$

×5 ×4

$$\frac{10}{20} + \frac{12}{20}$$

$$= \frac{22}{20} = 1\frac{2}{20} = 1\frac{1}{10}$$

1) Ensure the denominators (bottom numbers are the same) - you may need to multiply.

2) Multiply the numerators by the same number you multiplied the numerators. Then add them together.

How to subtract fractions:

$$\frac{3}{7} - \frac{1}{4}$$

×4 ×7

$$\frac{12}{28} - \frac{7}{28} = \frac{5}{28}$$

1) Do as above and then subtract.

2) Simplify if needed.

How to multiply fractions:

$$\frac{2}{3} \times \frac{4}{5}$$

1) Multiply the numerators $2 \times 4 = 8$

2) Multiply the denominators $3 \times 5 = 15$

$$= \frac{8}{15}$$

How to divide fractions:

$$\frac{3}{6} \div 8 =$$

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1) Multiply the denominator by the divisor e.g. 6×8

2) Keep the numerator the same $= \frac{3}{6 \times 8} = \frac{3}{24}$

Then simplify $= \frac{1}{8}$