

## Year 4 Can Do Maths

### Workout A, B and C support.

#### Workout A: adding fractions with common denominators

When adding fractions with common denominators (when the bottom numbers are the same) the denominators remain the same and the numerators (the top numbers) are added together. For example:

$$\frac{1}{6} + \frac{1}{6} = \frac{1+1}{6} = \frac{2}{6}$$

#### Workout B: subtracting fractions with common denominators

When subtracting fractions with common denominators (when the bottom numbers are the same) the denominators remain the same and the numerators (the top numbers) are subtracted smallest from biggest. For example:

$$\frac{2}{6} - \frac{1}{6} = \frac{2-1}{6} = \frac{1}{6}$$

You can also watch a video following the link below:

<https://www.bbc.co.uk/bitesize/topics/zhdwxnb/articles/z9n4k7h>

You only need to watch the first minute of the video as you are only adding and subtraction fractions with common denominators (the bottom numbers are the same).

#### Workout C: calculating fractions of numbers

To find the fraction of the number you must divide the number by the denominator (bottom number) and multiply that by the numerator (top number). For example:

$$\frac{1}{5} \text{ of } 25 \text{ will be } 25 \div 5 = 5 \text{ and } 5 \times 1 = 5 \text{ so } \frac{1}{5} \text{ of } 25 \text{ is } 5$$

$$\frac{3}{5} \text{ of } 25 \text{ will be } 25 \div 5 = 5 \text{ and } 5 \times 3 = 15 \text{ so } \frac{3}{5} \text{ of } 25 \text{ is } 15$$