

## Recall

Place these numbers in ascending order:

$\frac{16}{25}$  63%  $\frac{32}{50}$  0.6  $\frac{61}{100}$  0.06

Hint: Unscramble

U L N V E  
E Q I T A

## Skill 2

Calculate the fraction of each amount:

- a)  $\frac{1}{3}$  of 12 = .....
- b)  $\frac{1}{4}$  of 12 = .....
- c)  $\frac{1}{5}$  of 40 = .....
- d)  $\frac{1}{6}$  of 42 = .....
- e)  $\frac{1}{7}$  of 63 = .....
- f)  $\frac{1}{8}$  of 96 = .....
- g)  $\frac{1}{9}$  of 108 = .....

## Calculating fractions of an amount

### Skill 1

A fraction sign can be thought of as a division...

- a  $\frac{1}{2}$  of means  $\div 2$  a  $\frac{1}{7}$  of .....
- a  $\frac{1}{3}$  of means  $\div 3$  a  $\frac{1}{8}$  of .....
- a  $\frac{1}{4}$  of ..... a  $\frac{1}{9}$  of .....
- a  $\frac{1}{5}$  of ..... a  $\frac{1}{10}$  of .....
- a  $\frac{1}{6}$  of ..... a  $\frac{1}{37}$  of .....

### Interpretation



This picture demonstrates £30 split in to 5 equal piles

$$\frac{1}{5} \text{ of } \pounds 30 = \pounds 6 \quad \frac{2}{5} \text{ of } \pounds 30 = \pounds 12 \quad \frac{3}{5} \text{ of } \pounds 30 = \pounds 18$$
$$\frac{4}{5} \text{ of } \pounds 30 = \pounds 24 \quad \frac{5}{5} \text{ of } \pounds 30 = \pounds 30$$

Can you see how?

### Stretch 1

Can you demonstrate, just as above, how £28 can be split in to 4 equal piles.

## Stretch 2

Worded Questions:

Yesterday Thomas travelled a total of 175 miles.

He travelled  $\frac{2}{5}$  of this distance in the morning.

How many miles did he travel during the rest of the day?

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Debra received her £15 pocket money on Saturday.

She spent  $\frac{1}{3}$  of her pocket money on magazines.

She spent  $\frac{2}{5}$  of her pocket money on a necklace.

How much of the £15 did she have left?

## Skill 3

Calculate the fractions of these amounts

- a)  $\frac{1}{4}$  of 20      b)  $\frac{3}{4}$  of 20
- c)  $\frac{1}{3}$  of 21      d)  $\frac{2}{3}$  of 21
- e)  $\frac{3}{4}$  of 44      f)  $\frac{2}{3}$  of 24
- g)  $\frac{3}{5}$  of 15      h)  $\frac{3}{4}$  of 36
- i)  $\frac{7}{9}$  of 81      j)  $\frac{5}{7}$  of 56
- k)  $\frac{3}{10}$  of 50      l)  $\frac{6}{11}$  of 33
- m)  $\frac{1}{4}$  of 14      n)  $\frac{3}{4}$  of 14