## Proportion

### Divide for ONE, then Times for ALL

#### Example
5 pints of milk cost £1.30. How much will 3 pints cost?

The GOLDEN RULE says "Divide for ONE, then TIMES for ALL"

which means:
Divide the price by 5 to find how much for ONE PINT,
Then multiply by 3 to find how much for 3 PINTS.

So for 1 pint: £1.30 ÷ 5 = 0.26 = 26p
For 3 pints: 26p x 3 = 78p

#### Example
It takes 30 litres of fruit drink to fill 50 cups. How many litres of fruit drink are needed to fill 70 cups?

Again use the GOLDEN RULE "Divide for ONE, then TIMES for ALL"

So for 1 cup: \( \frac{30}{50} = 0.6 \) litres
For 70 cups: \( 0.6 \times 70 = 42 \) litres

### Linked Prior Topics
- Multiplication and division
- Units

### Vocabulary
- Proportion
- Unitary method

### Linked Future Topics
- Direct and inverse proportion
- Scale drawings
- Conversions