

1. Jack's driving school has two offers.

Offer 1

First driving lesson free
All other driving lessons normal price

Offer 2

All driving lessons
5% off the normal price

The normal price of a driving lesson is £24

Douglas is going to have 12 driving lessons.

Which is the cheaper offer for 12 driving lessons, Offer 1 or Offer 2?

You must show how you get your answer.

Offer 1

$$11 \times 24 = \text{£}264$$

Offer 2

$$12 \times 24 = \text{£}288$$

$$288 \times 0.95 = \text{£}273.60$$

Offer 1 is cheaper because $\text{£}264 < \text{£}273.60$

(Total for Question is 3 marks)

| | | |
|---------|-------|---------|
| 2.5kg | costs | £3.60 |
| ↓ ÷ 2.5 | | ↓ ÷ 2.5 |
| 1kg | | £1.44 ✓ |
| ↓ × 3.5 | | ↓ × 3.5 |
| 3.5kg | | £5.04 |

5.04 ✓

2. In a sale, the normal price of a boat is reduced by 15%
The sale price of the boat is £272 000

Work out the normal price of the boat.

$$x \times 0.85 = 272000$$

↑ normal (original) price

↑ $1 - 0.15 = 0.85$
Multiplying by 0.85
Same as 'reduce by 15%'

①

$$\frac{0.85x = 272000}{\cancel{0.85} \quad 0.85}$$

$$x = 320000$$

①

$$£ 320\,000$$