Decimal multiplier method to find percentage of an amount

Mr Chan

Maths

Decimal multiplier method to find percentage of an amount

1. Complete the calculations.

a) 36% of £240

b) 79% of £56

c) 42% of £68

d) 35% of £40

e) 14% of £20

f) 4% of £54

g) 52% of £190

h) 39% of £28

2. Write <, > or = to make the statement correct.

84% of 50 ◯ 50% of 84

Explain your answer.

3. Calculate 37% of 2 m.

Give your answer in centimetres.

Decimal multiplier method to find percentage of an amount

4. Dani is buying a bike from Bike World.

Bike World
£106
Price does not include VAT

The rate of VAT is 20%.

a) Work out the VAT amount.
b) How much will the bike cost including VAT?

5. Mr Hall sells cars and earns 2.5% commission for each car he sells.

Pixabay

Each car he sells costs £14 500
In January he sells 3 cars.
In February he sells 5 cars .

a) How much commission did Mr Hall receive in January?
b) How much commission did Mr Hall receive in February?

Answers

Decimal multiplier method to find percentage of an amount

1. Complete the calculations.

a) 36% of £240 = £86.40

b) 79% of £56 = £44.24

c) 42% of £68 = £28.56

d) 35% of £40 = £14

e) 14% of £20 = £2.80

f) 4% of £54 = £2.16

g) 52% of £190 = £98.80

h) 39% of £28 = £10.92

2. Write <, > or = to make the statement correct.

84% of 50 ⬤ = 50% of 84

Explain your answer.

$\frac{84}{100} \times 50 = \frac{50}{100} \times 84$. Multiplication is commutative.

3. Calculate 37% of 2 m.

Give your answer in centimetres.

74 cm

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4. Dani is buying a bike from Bike World.

Bike World
£106
Price does not include VAT

The rate of VAT is 20%.

a) Work out the VAT amount. £21.20

b) How much will the bike cost including VAT? £127.20

5. Mr Hall sells cars and earns 2.5% commission for each car he sells.

Pixabay

Each car he sells costs £14 500

In January he sells 3 cars.

In February he sells 5 cars .

a) How much commission did Mr Hall receive in January? £1 087.50

b) How much commission did Mr Hall receive in February? £1 812.50