Name: .... Class: ....

Find the original price from sale prices

1.

sale
25% off
original price

Peter wants to buy a maths book. If the sale price is $ 39, what was the original price?

2.

sale
60% off
original price

It is the end of the apple season and apples are going on sale. Betila buys the healthiest apples she can find for $ 12. What was the original price of the apples?

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Find the original price from sale prices

1. sale
25% off
original price

Peter wants to buy a maths book. If the sale price is $ 39, what was the original price?

set up an equation for finding the original price of the math book on sale

sale price (s) = Original price (p) x percent paid (p)

sale price = $ 39

Percent paid = 100% - percent off (discount percent)

100% - 25% = 75%

convert 75% to decimal = 75 ÷ 100 = 0.75

Substitude the sale price and percent paid in the equation

$ 39 = original price x 0.75

original price = $\dfrac{\$\ 39}{0.75}$ = $ 52

therefore, the original price of the maths book was $ 52

2. sale
60% off
original price

It is the end of the apple season and apples are going on sale. Betila buys the healthiest apples she can find for $ 12. What was the original price of the apples?

set up an equation for finding the original price of the apples on sale

sale price (s) = Original price (p) x percent paid (p)

sale price = $ 12

Percent paid = 100% - percent off (discount percent)

100% - 60% = 40%

convert 40% to decimal = 40 ÷ 100 = 0.40

Substitude the sale price and percent paid in the equation

$ 12 = original price x 0.40

original price = $\dfrac{\$\ 12}{0.40}$ = $ 30

therefore, the original price of the apples was $ 30