NUMBER: percentage decreases

(Given an amount after a specific percentage decrease, calculate the original amount)

Date: **Name:**   *http://www.learnersgrid.com*

Solve the percentage decrease problems below. Round answers to 2 d.p.

[1]   After a 17% discount, the new price for a book is $17.

Give the original price of the book (i.e. BEFORE subtracting the discount).

[2]   After subtracting 15% in gift coupon values, the total cost of a jacket from an online store is $25.

Give the original price of the jacket from the online store (i.e. BEFORE taking away coupon values).

[3]   The price of a theatre ticket goes down by 3% to a lower price of $35.

Give the original price of the theatre ticket (i.e. BEFORE the decrease).

[4]   The cost of hiring a crane goes down to a lower price of $147 per hour.

This is a 10% decrease in cost per hour.

Give the original cost per hour for hiring the crane (i.e. BEFORE subtracting the decrease).

[5]   The price of a car goes down by 15% to $7919.

What was the price before?

[6]   Calculate the original price of an article which costs $276 after a decrease of 37% .

[7]   Calculate the original price of an article which costs $570 after a discount of 97%

[8]   Calculate the original price of an article which costs $582 after a discount of 35%

[9] After a decrease of 17% an item costs $25.

What did this item cost before the drop in price?

ANSWERS

NUMBER: percentage decreases

(Given an amount after a specific percentage decrease, calculate the original amount)

Date: **Name:**   *http://www.learnersgrid.com*

Solve the percentage decrease problems below. Round answers to 2 d.p.

[1] After a 17% discount, the new price for a book is $17.

Give the original price of the book (i.e. BEFORE subtracting the discount).

=   **$ 20.48**

[2] After subtracting 15% in gift coupon values, the total cost of a jacket from an online store is $25.

Give the original price of the jacket from the online store (i.e. BEFORE taking away coupon values).

=   **$ 29.41**

[3] The price of a theatre ticket goes down by 3% to a lower price of $35.

Give the original price of the theatre ticket (i.e. BEFORE the decrease).

=   **$ 36.08**

[4] The cost of hiring a crane goes down to a lower price of $147 per hour.

This is a 10% decrease in cost per hour.

Give the original cost per hour for hiring the crane (i.e. BEFORE subtracting the decrease).

=   **$ 163.33**

[5] The price of a car goes down by 15% to $7919.

What was the price before?

=   **$ 9316.47**

[6] Calculate the original price of an article which costs $276 after a decrease of 37% .

=   **$ 438.10**

[7] Calculate the original price of an article which costs $570 after a discount of 97%

=   **$ 19000.00**

[8] Calculate the original price of an article which costs $582 after a discount of 35%

=   **$ 895.38**

[9] After a decrease of 17% an item costs $25.

What did this item cost before the drop in price?   = $ 30.12