

Brilliance Tuition Centre, Redbank Plains

MATHS WORKSHEETS- PERCENTAGES- WORD PROBLEMS ON DISCOUNTS

Answer the following questions.

1	A computer has a marked price of \$2000 is discounted by 10.5%. Calculate a) the discount b) the sale price	
2	A washing machine has a marked price of \$750 is discounted by 8%. Calculate a) the discount b) the sale price	
3	Marie spent \$1800 on a laptop after getting a discount of \$200. Calculate a) the price of the laptop before the discount. b) the percentage discount given on the laptop.	
4	Elisa paid \$44 on a bag after getting a discount of 12%. a) How much did the bag cost before the discount? b) How much discount did she get?	
5	A refrigerator has a marked price of \$1800 is discounted by $8\frac{1}{2}\%$. Calculate a) the discount b) the sale price	
6	Elizabeth spent \$1395 on a TV after getting a discount of \$155. Calculate a) the price of the TV before the discount. b) the percentage discount given on the TV.	
7	Margaret paid \$110 on certain goods after getting a discount of 12%. a) How much did the goods cost before the discount? b) How much discount did she get?	
8	Bella spent \$360 on a gaming chair after getting a discount of \$40. Calculate a) the price of the gaming chair before the discount. b) the percentage discount given on the gaming chair.	

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Answer Key:

Selling Price	Selling Price= Marked Price – Discount amount $\text{Selling Price} = \text{Marked Price} * \left(1 - \frac{\% \text{Discount}}{100}\right)$
Marked Price	$\text{Marked Price} = \frac{\text{Selling Price}}{(1 - \text{Discount in decimals})}$ Marked Price = Selling Price + Discount
Discount (%)	$\text{Discount (\%)} = \frac{\text{Marked Price} - \text{Selling Price}}{\text{Marked Price}} \times 100\%$
Discount amount (\$)	Discount amount= Marked Price- Selling Price Discount amount = Marked Price × Discount Rate

- 1 a) \$210
 b) \$1790

- 2 a) \$60
 b) \$690

- 3 a) \$2000
 b) 10%

- 4 a) \$50
 b) \$ 6

- 5 a) \$153
 b) \$1647

- 6 a) \$1550
 b) 10%

- 7 a) \$125
 b) \$15

- 8 a) \$400
 b) 10%