

PROFIT AND LOSS PROBLEMS

CANSU OLCE

A STAR MATHS (www.astarmaths.com.au)

1. A vendor is selling goods for \$650. He bought them for \$500. What is the profit percentage?
2. How much a product costs if it is sold for \$560 at 40% profit?
3. If a product is sold for \$350 at a loss of 30%, what would its price be at a profit of 30%?
4. A vendor has sold a product for \$7200 at a loss of 10%. What percent of profit would have been made if it had been sold for \$9600?
5. A product bought for \$ x is being sold for $$(2x-1500)$ at a profit of 75%. What is the profit in dollars?
6. A pen may be sold for \$ x for a profit of 25% or for \$ y at a loss of 25%. What is x/y ?

7. 40% of a product has been sold at a profit of 30%. What percent should the profit be for the rest so that all sales would be done at a profit of 24%?

8. A vendor selling each piece of his goods for \$12 earns \$600. Selling each one for \$8 instead would lose \$40. How many pieces of goods does the vendor have to sell?

9. A fruit seller sells tomatoes at a profit of 30%. He realizes later that his multifunctioning scale measured the tomatoes heavier by 25%. What percent was the actual profit?

10. If the yearly inflation rate is 50% and an employee gets a wage increase of 65% a year, by what percent does the purchasing power increase at the end of the year?

11. $\frac{2}{7}$ of eggs in a box were broken and discarded. By what percent does it increase the cost?

12. The marked price of a product is $(a + \frac{3a}{10})$. If the reduced price is $\frac{39a}{10}$, what percent was the discount?

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ANSWER KEY

1. 30
2. 400
3. 650
4. 20
5. 4500
6. $\frac{5}{3}$
7. 20
8. 160
9. 62.5
10. 10
11. 40
12. 25

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