

Percentage Problems for SAT

1. If the price of gasoline increases by 25 % and Ron intends to spend only 15 % more on gasoline, by how much % should he reduce the quantity of petrol that he buys?

- A) 6 B) 7.5 C) 8 D) 9 E) 10

2. The wages earned by Robin is 30 % more than that earned by Erica. The wages earned by Charles is 60 % more than that earned by Erica. How much % is the wages earned by Charles more than that earned by Robin?

- A) 22 B) 23 C) 25 D) 28 E) 30

3. In an election contested by two parties, Party D secured 12 % of the total votes more than Party R. If party R got 132,000 votes, by how many votes did it lose the election?

- A) 15,000 B) 16,000 C) 17,000 D) 18,000 E) 20,000

4. The difference between the value of a number increased by 12.5 % and the value of the original number decreased by 25 % is 30. What is the original number?

- A) 60 B) 72 C) 80 D) 85 E) 90

5. What is the % change in the area of a rectangle when its length increases by 10 % and its width decreases by 10 %?

- A) 1 % B) 2 % C) 3 % D) 4 % E) 5 %

6. The original price of a suit is \$ 200. The price increased 30 %, and after this increase, the store published a 30 % off coupon for a one-day sale. Given that the consumers who used the coupon on sale day were getting 30 % off the increased price, how much did these consumers pay for the suit?

- A) \$ 182 B) \$ 191 C) \$ 200 D) \$ 209 E) \$ 219

7. The profits of QRS company rose 10 % from March to April, then dropped 20 % from April to May, then rose 50 % from May to June. What was the percent increase for the whole quarter, from March to June?

- A) 15 % B) 32 % C) 40 % D) 62 % E) 80 %

8. Bert and Rebecca were looking at the price of a condominium. The price of the condominium was 80 % more than Bert had in savings, and separately, the same price was also 20 % more than Rebecca had in savings. What is the ratio of what Bert has in savings to what Rebecca has in savings.

- A) 1 : 4 B) 4 : 1 C) 2 : 3 D) 3 : 2 E) 3 : 4

9. Company KW is being sold, and both Company A and Company B were considering the purchase. The price of Company KW is 50 % more than Company A has in assets, and this same price is also 100 % more than Company B has in assets. If Companies A and B were to merge and combine their assets, the price of Company KW would be approximately what percent of these combined assets?

- A) 66 % B) 75 % C) 86 % D) 116 % E) % 150

10. There are 300 seniors at Morse High School, and 40 % of them have cars. Of the remaining grades (freshmen, sophomores, and juniors), only 10 % of them have cars. If 15 % of all the students at Morse have cars, how many students are in those other three lower grades?

- A) 600 B) 900 C) 1200 D) 1350 E) 1500

Answers: 1.C 2.B 3.D 4.C 5.A 6.A 7.C 8.A 9.C 10.E

Hazırlayan: Kemal Duran , www.buders.com ve www.bumatematikozelders.com