

Percents Practice

1. Exactly 35% of the students in a class received an A. Which of the following could be the total number of students in the class? (*calculator*)
 - a. 30
 - b. 22
 - c. 20
 - d. 15
2. Lainey spends 30% of the total one-and-a-half-hour-long dinner time washing dishes. How many minutes does she spend washing dishes? (*no calculator*)
 - a. 0.45
 - b. 27
 - c. 30
 - d. 63
3. A rectangle was altered by decreasing its length by 5% and increasing its width by p percent. If these alterations increased the area of the rectangle by 16%, what is the approximate value of p ? (*calculator*)
 - a. 20
 - b. 22
 - c. 11
 - d. 122
4. Michael bought a pair of headphones at a store that offered a 15% discount off its original price for students. The total amount he paid for the headphones was p dollars, including a 6% sales tax on the discounted price. Which of the following represents the original price of the headphones in terms of p ? (*calculator*)
 - a. $\frac{p}{(0.85)(1.06)}$
 - b. $(0.85)(1.06)p$
 - c. $(0.91)p$
 - d. $\frac{p}{0.91}$
5. An estimate of 35,000 of wild Asian elephants were detected in an aerial survey in the year 2017. Compared to the 120,000 wild Asian elephants detected in 2007, how has the number of wild Asian elephants change from 2007 to 2017. (*calculator*)
 - a. It decreased by 70.8%
 - b. It decreased by 29.2%
 - c. It increased by 70.8%
 - d. It increased by 242.9%
6. A sock company sells about 10,000 pairs of socks per year. Throughout the year, a small percentage of the socks get stolen or are damaged and the losses must be considered for the following year's budget. Each year, about 2% of the socks become damaged and about 0.8% of the socks become stolen. About how many pairs of socks are damaged or stolen? (*calculator*)
 - a. 80
 - b. 120
 - c. 200
 - d. 280
7. A bag of marbles contains red and blue marbles. If 75 of the marbles are blue, and make up approximately 65.2% of the total bag, approximately how many total marbles are in the bag? (*calculator*)
 - a. 1.15
 - b. 48.9
 - c. 115
 - d. 489
8. A school bus contained 14 boys and some number of girls. If 40% of the bus was made up of boys, how many girls were in the bus? (*calculator*)
 - a. 21
 - b. 26
 - c. 35
 - d. 60
9. Chris created a budget table organizing his monthly spending. If he spends \$250 on groceries every month, how much money does he spend on entertainment? (*calculator*)

Categories of Spending	Total Spending
Groceries	40%
Gas, Electricity, Water Bills	10%
None-essential Entertainment	25%
Savings	25%

 - a. \$25.00
 - b. \$156.25
 - c. \$312.50
 - d. \$625.00

Percents Practice

10. After the first week of classes, a class decreased in size by 50%. If the total number of students in the class during the second week was 30, how many students were in the class on the first day?
(no calculator)
- a. 15
 - b. 20
 - c. 40
 - d. 60