

$$\frac{N-O}{O} \cdot 100\% \quad \frac{370-350}{350} = \frac{30}{350} \cdot 100\%$$

$$\begin{array}{r} 350 \\ \times 6 \\ \hline 2100 \end{array}$$

$$350 \overline{)3000}$$

1. A woman's weekly salary is increased from \$350 to \$380. The percent of increase is most nearly

- ~~(A) 6%~~
- (B) 8 1/2%**
- ~~(C) 10%~~
- ~~(D) 12 1/2%~~

Just enough rule

2. A clerk divided his 35-hour work week as follows: 1/4 of his time in sorting mail; 1/2 of his time in filing letters; and 1/7 of his time in reception work. The rest of his time was devoted to messenger work. The percentage of time spent on messenger work by the clerk during the week was most nearly

- (A) 6%
- (B) 10%**
- (C) 14%
- (D) 16%

$$\frac{7}{28} + \frac{14}{28} + \frac{5}{28} = \frac{26}{28} \rightarrow \frac{2}{28} = \frac{1}{14} = 7.14\%$$

3. Many American cars feature speedometers that show kilometers per hour. If you are required to drive 500 miles, and you know that 1 kilometer is approximately 5/8 of a mile, how many kilometers would you cover in that journey?

- (A) 625
- (B) 800**
- (C) 850
- (D) 1000

$$500 \cdot \frac{1 \text{ km}}{5/8 \text{ mi}} = 500 \cdot \frac{8}{5} = 800$$

4. A stock clerk had 600 pads on hand. He then issued 3/8 of his supply of pads to Division X, 1/4 to Division Y, and 1/6 to Division Z. The number of pads remaining in stock is

- (A) 48
- (B) 125**
- (C) 240
- ~~(D) 475~~

$$\begin{array}{r} 600 \\ -475 \\ \hline 125 \end{array}$$

↑  
Time

$$\frac{3}{8} \cdot 600 = 225$$

$$\frac{1}{4} \cdot 600 = 150$$

$$\frac{1}{6} \cdot 600 = 100$$

$$600 - 225 - 150 - 100 = 125$$

5. Two sailors traveled by bus from one point to another. The trip took 15 hours, and they left their point of origin at 8 AM. What time did they arrive at their destination?

- (A) 11 A.M.
- (B) 10 P.M.
- (C) 11 P.M.**
- (D) 12 A.M.

$$\begin{array}{r} 0800 \\ +1500 \\ \hline 2300 \end{array}$$

6. A man deposited a check for \$1000 to open an account. Shortly after that, he withdrew \$400.00 and then \$541.20. How much did he have left in his account?

- (A) \$56.72
- (B) \$58.80**
- (C) \$59.09
- (D) \$60.60

$$\begin{array}{r} 1000 \\ -400 \\ \hline 600 \\ -541.20 \\ \hline 58.80 \end{array}$$

7. After an employer figures out an employee's weekly salary of \$190.57, he deducts \$13.05 for Social Security and \$5.68 for pension. What is the amount of the check after these deductions?

- (A) \$171.84**
- ~~(B) \$171.92~~
- (C) \$172.84
- ~~(D) \$172.99~~

$$\begin{array}{r} 190.57 \\ -13.05 \\ \hline 177.52 \\ -5.68 \\ \hline 171.84 \end{array}$$

9. A skier started a fire in the fireplace. Each log she put on burned for a half-hour. If she started with a supply of 10 logs, for how many hours could the fire burn?

- (A) 5 hours**
- (B) 7 hours
- (C) 8 1/2 hours
- (D) 10 hours

$$10 \cdot \frac{1}{2} = 5$$

10. Mrs. Jones wishes to buy 72 ounces of canned beans for the least possible cost. Which of the following should she buy?

- (A) six 12-ounce cans at 39 cents per can
- ~~(B) seven 10-ounce cans at 34 cents per can~~
- (C) three 24-ounce cans at 79 cents per can
- ~~(D) two 25-ounce cans at 62 cents per can~~

$$\begin{array}{r} 5 \\ 29 \\ \hline 234 \end{array}$$

$$\begin{array}{r} 2 \\ 79 \\ 3 \\ \hline 237 \end{array}$$

11. A carpenter needs four boards, each 2 feet 9 inches long. If wood is sold only by the foot, how many feet must he buy?

- (A) 9
- (B) 10
- (C) 11
- (D) 12

$$\begin{array}{r} 2 \text{ feet} \\ \times 4 \\ \hline 8 \text{ feet} \end{array}$$

$$\begin{array}{r} 9 \text{ inches} \\ \times 4 \\ \hline 36 \text{ inches} \\ \underline{12} \\ 3 \text{ feet} \end{array}$$

12. It costs 31 cents a square foot to lay linoleum. To lay 20 square yards of linoleum it will cost

- (A) \$16.20
- (B) \$18.60
- (C) \$55.80
- (D) \$62.00

$$20 \text{ yd}^2 \left| \begin{array}{l} 3 \text{ feet} \\ 1 \text{ yd} \end{array} \right| \begin{array}{l} 0.30 \\ \text{ft}^2 \end{array}$$

$$\begin{array}{r} 20 \\ \cdot 3 \\ \hline 540 \end{array}$$

13. A piece of wood 35 feet, 6 inches long was used to make 4 shelves of equal length. The length of each shelf was most nearly

- (A) 9 feet, 1 1/2 inches
- (B) 8 feet, 10 1/2 inches
- (C) 7 feet, 10 1/2 inches
- (D) 7 feet, 1 1/2 inches

$$4 \overline{) 35 \text{ feet } 6 \text{ in } 1 \text{ ft}}$$

$$4 \overline{) 35 \text{ feet } 32 \text{ in}}$$

$$\frac{3}{4} \cdot 12 = 9 \text{ inches}$$

$$8' 9''$$

14. A change purse contained 3 half dollars, 8 quarters, 7 dimes, 6 nickels, and 9 pennies. Express in dollars and cents the total amount of money in the purse.

- (A) \$3.78
- (B) \$3.95
- (C) \$4.32
- (D) \$4.59

$$1.50$$

$$\begin{array}{r} 1.50 \\ 2.00 \\ .70 \\ .30 \\ 9 \\ \hline 4.59 \end{array}$$