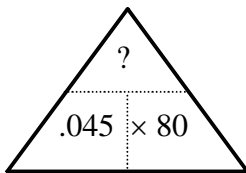


1. 4.5% of 80 is what number?
2. What percent of 60 is 45?
3. 72 is what percent of 48?
4. $37\frac{1}{2}\%$ of what number is 18?
5. 36 is 15% of what number?
6. $16\frac{2}{3}\%$ of 354 is what number?
7. 38 is _____% of 57? Round to the nearest tenth of one percent.
8. $28\frac{4}{7}\%$ of 35 is _____
9. 30 is $83\frac{1}{3}\%$ of what number?
10. 6.2 is what percent of 13? Round to the nearest whole percent.
11. Of 125 students taking introductory math, 110 completed the course and passed. What percent of the students received passing grades?
12. During the last 2 months, the price of a stock has increased from \$15 to \$18. What is the percent of increase?
13. The average price of a new home decreased from \$56,000 to \$40,000. What is the percent of decrease? Round to the nearest tenth of one percent.
14. The tax is \$32 on a ring selling for \$640. What percent of the selling price is the tax?

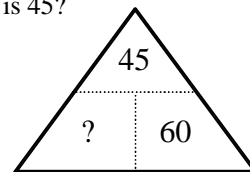
SOLUTIONS

1. 4.5% of 80 is what number?



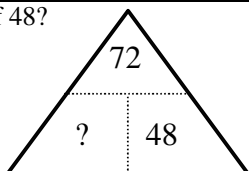
Ans. $.045 \times 80 = 3.6$

2. What percent of 60 is 45?



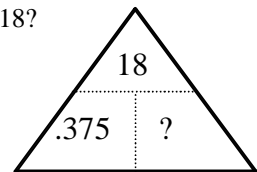
Ans. $60 \overline{) 45.0} = 75\%$

3. 72 is what percent of 48?



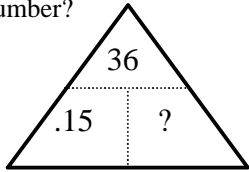
Ans. $48 \overline{) 72.0} = 150\%$

4. $37\frac{1}{2}\%$ of what number is 18?



Ans. $.375 \overline{) 18.0} = 48$

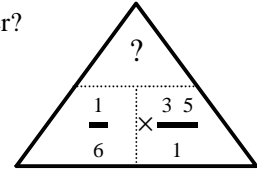
5. 36 is 15% of what number?



Ans. $.15 \overline{) 36.0} (= 240)$

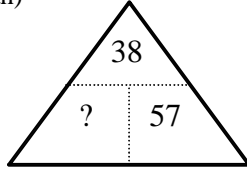
6. $16\frac{2}{3}\%$ of 354 is what number?

Note: $16\frac{2}{3}\% = \frac{50}{3} \times \frac{1}{100} = \frac{5}{30}$



Ans. $\frac{1}{6} \times \frac{354}{1} = 59$

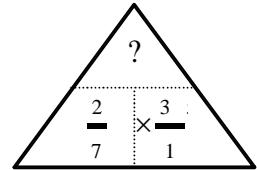
7. 38 is _____% of 57? (to tenth)



Ans. $57 \overline{) 38.00} (= .667 = 66.7\%)$

8. $28\frac{4}{7}\%$ of 35 is _____

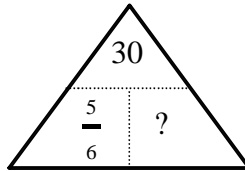
Note: $28\frac{4}{7}\% = \frac{200}{7} \times \frac{1}{100} = \frac{2}{7}$



Ans. $\frac{2}{7} \times \frac{35}{1} = 10$

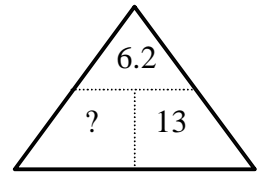
9. 30 is $83\frac{1}{3}\%$ of what number?

Note: $83\frac{1}{3}\% = \frac{250}{3} \times \frac{1}{100} = \frac{5}{6}$



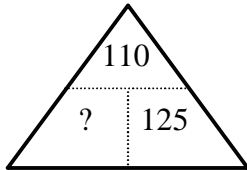
Ans. $\frac{30}{1} \div \frac{5}{6} = \frac{30}{1} \times \frac{6}{5} = 36$

10. 6.2 is what percent of 13? Round to the nearest whole percent.



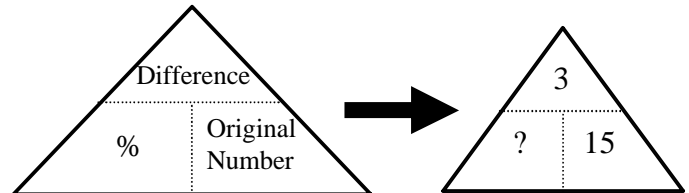
Ans. $13 \overline{) 6.20} (= 48\%)$

11. (110 out of 125 passed)



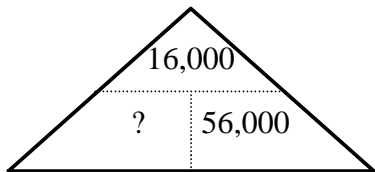
Ans. $125 \overline{) 110.0} (= 88\%)$

12. During the last 2 months, the price of a stock has increased from \$15 to \$18. What is the percent of increase?



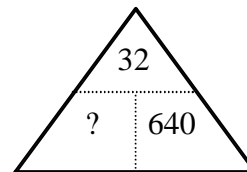
Ans. $15 \overline{) 3.0} (= 20\%)$

13. The average price of a new home decreased from \$56,000 to \$40,000. What is the percent of decrease? Round to the nearest tenth of one percent.



Ans. $56000 \overline{) 16000.00} = 28.6\%$

14. The tax is \$32 on a ring selling for \$640. What percent of the selling price is the tax?



Ans. $640 \overline{) 32.0} (= 5\%)$