

1. Which of the following can also be written as 84%?

[A] 0.16    [B]  $\frac{21}{25}$     [C] 8.4    [D]  $\frac{84}{25}$

2. All of the following are equal except:

[A] 50% of 400    [B] \$200  
[C] \$400 decreased by half  
[D] 150% of 50  
[E] \$100 increased by 100%

3. Express the sample proportion as a percent.  
379 out of 659 applicants for jobs had the necessary skills.

4. 20% of 60 is what number?

5. 80% of 50 is what number?

6. Compare the quantities in Column A and Column B.

Column A

Column B

80% of 72,000    20% of 288,000

- [A] The quantity in Column A is greater.  
[B] The quantity in Column B is greater.  
[C] The quantities are equal.  
[D] The relationship cannot be determined from the information given.

7. 18 is 60% of what number?

[A] 333    [B] 10.8    [C] 30    [D] 0.3

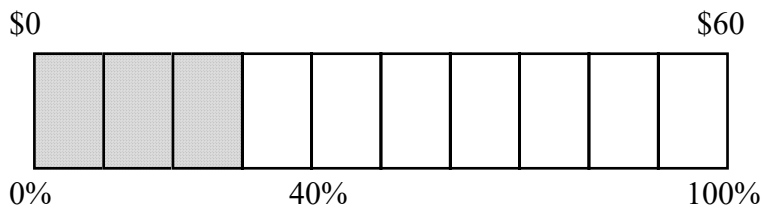
8. Choose the equation you would use to answer the question: What percent of 175 is 35?

[A]  $35n = 175$       [B]  $n = \frac{175}{35}$       [C]  $175(35) = n$       [D]  $175n = 35$       [E]  $175 + 35 = n$

9. Write the sentence as an equation: 35 is what percent of 105?

[A]  $x = 35\% \cdot 105$       [B]  $35 = x \cdot 105$       [C]  $105 = 35\% \cdot x$       [D]  $35 = 105\% \cdot x$

10. Determine the amount represented by the model below.



[A] \$42      [B] \$0.30      [C] \$18      [D] \$6

Grade 7 Practice 7.RP.A.3: Percents 1

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[1] B

[2] D

[3] 57.5%

[4] 12

[5] 40

[6] C

[7] C

[8] D

[9] B

[10] C