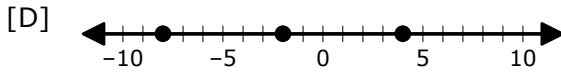
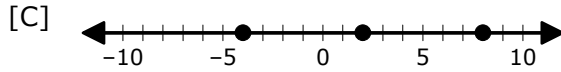
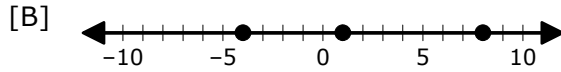
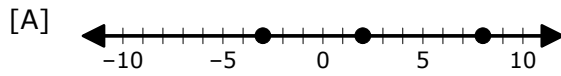


Number Sense and Operations, Worksheet Four

1. Which of the following number lines shows the plots of 8, 2, and -4?



2. Solve the equation. Check your solution. $x - 4 = 8$
 [A] -12 [B] 4 [C] -4 [D] 12
3. Which number is divisible by 3 and by 8?
 [A] 1653 [B] 552 [C] 1659 [D] 4424
4. Which of the following numbers is prime? [A] 27 [B] 35 [C] 21 [D] 31
5. Find the greatest common factor of 8 and 6. [A] 1 [B] 4 [C] 3 [D] 2
6. Find the least common multiple of 30 and 60.
 [A] 60 [B] 180 [C] 24 [D] 1800
7. Simplify the fraction. $\frac{6}{30}$ [A] $\frac{3}{7}$ [B] $\frac{2}{10}$ [C] $\frac{1}{5}$ [D] 1
8. Write 0.81 as a fraction. [A] $\frac{81}{100}$ [B] $\frac{81}{10}$ [C] $\frac{8}{100}$ [D] 81

Simplify the expression.

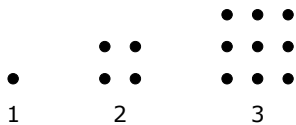
9. 5^{-2} [A] $-\frac{1}{10}$ [B] $\frac{1}{25}$ [C] $-\frac{1}{25}$ [D] $\frac{1}{10}$
10. $x^{-3} \cdot x^{-4}$ [A] x^7 [B] $\frac{1}{x^7}$ [C] x^{12} [D] $\frac{1}{x^{12}}$

Number Sense and Operations, Worksheet Four

11. Write the number in scientific notation. 8,100

- [A] 8.1×10^3 [B] 8.1×10^4 [C] 81×10^2 [D] 8.1×10^5

12. How many dots will be in the seventh figure?

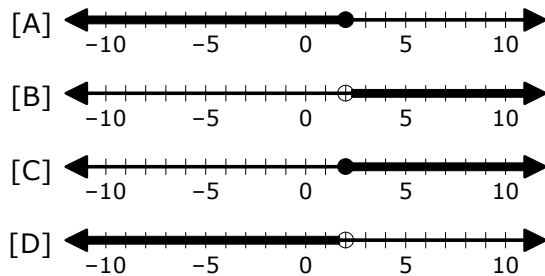


- [A] 36 [B] 14 [C] 64 [D] 49

13. Which of the following is an irrational number?

- [A] $-\sqrt{4}$ [B] $\sqrt{5}$ [C] $\sqrt{9}$ [D] $-\frac{1}{\sqrt{49}}$

14. Graph the inequality. $x > 2$



15. Chuck bought a pair of shoes priced at \$42.00. If the sales tax rate in Chuck's state is 4%, what is the sales tax on the shoes?

- [A] \$16.80 [B] \$43.68 [C] \$58.80 [D] \$1.68

Number Sense and Operations, Worksheet Four

[1] C

[2] D

[3] B

[4] D

[5] D

[6] A

[7] C

[8] A

[9] B

[10] B

[11] A

[12] D

[13] B

[14] B

[15] D