

Summer work for rising 7th grade**Complete the statement with $<$, $>$, or $=$.**

1. 1.007 ____ 1.004

2. 3.052 ____ 3.055

3. 4.61 ____ 0.461

4. 5.750 ____ 5.75

5. 7.34 ____ 7.734

6. 9.976 ____ 9.76

Order the numbers from least to greatest.

7. $\frac{5}{8}$, 60% , 0.64

8. 34% , $\frac{4}{15}$, 0.3

____ 9. Which of the following lists is ordered from least to greatest?

a. $11, |4|, |-2|, 0, -6$

c. $-6, 0, |-2|, |4|, 11$

b. $0, |-2|, |4|, -6, 11$

d. $-6, |4|, |-2|, 0, 11$

Add or subtract.

10. $2.3 + 3.4$

11. $5.8 - 2.1$

12. $4.2 - 1.9$

13. $\frac{3}{4} - \frac{1}{3}$

14. $\frac{3}{8} + \frac{7}{8}$

15. $\frac{4}{9} + \frac{5}{6}$

16. The bottom floor of a parking garage has an elevation of -36 feet. The top floor is 124 feet higher. What is the elevation of the top floor?

Multiply or divide.

17. $4.5 \div 0.9$

18. $2.7(7.8)$

19. $\frac{6}{7} \cdot \frac{5}{9}$

20. $\frac{4}{5} \div \frac{8}{11}$

21. $\frac{3}{8} \cdot \frac{4}{9}$

Simplify the expression.

22. $8v - 15v$

23. $7d + 5 - 4d$

Write the fraction as a decimal.

24. $\frac{13}{20}$

Simplify the expression.

25. $15 - 4 \times 3$

26. $2 \times (8 + 7)$

27. $(9 + 9) + 7 \times 2$

Solve the equation. You can check your answers by plugging it back into the original problem.

28. $x + 5 = 10$

29. $x - 2 = 6$

30. $5x = 65$

31. $\frac{x}{3} = 11$

32. $8 = q + 15$

33. $-2.5 + w = 3.7$

34. $\frac{n}{-5} = 7$

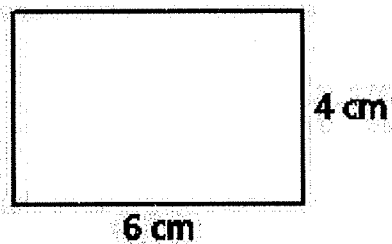
35. $-2p = \frac{4}{11}$

36. $-0.5x = -4.3$

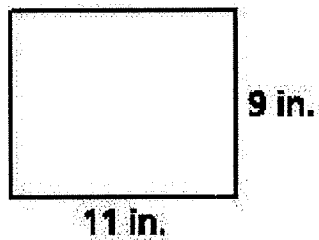
37. $-18v = -414$

Find the area of the rectangle.

38.

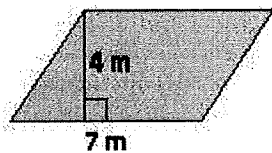


39.



Find the area of the figure.

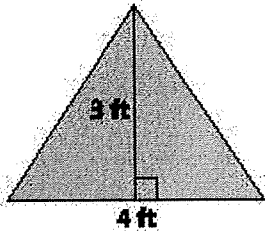
40.



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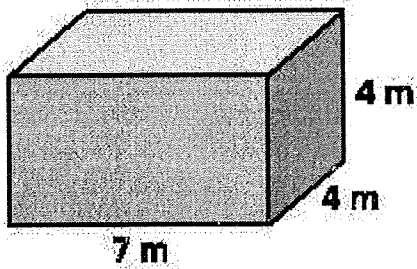
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41.

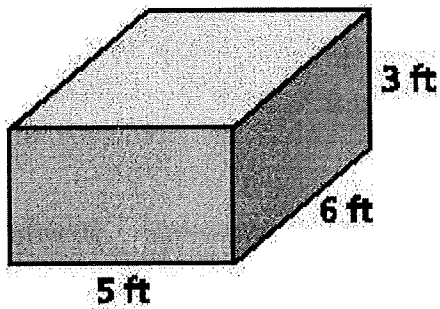


Find the volume of the rectangular prism.

42.

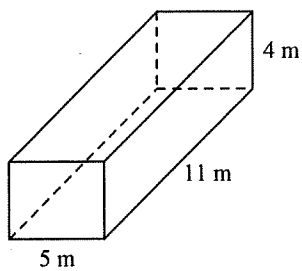


43.



Find the surface area of the figure.

___ 44.



- a. 241 m^2
- b. 238 m^2

- c. 119 m^2
- d. 220 m^2

Find the mean, median, mode(s), and range of the data set.

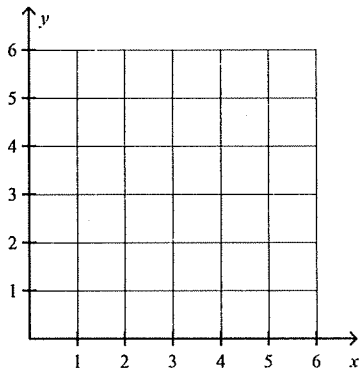
45. 5, 9, 12, 3, 4, 5, 7, 14, 13

Estimate the quotient.

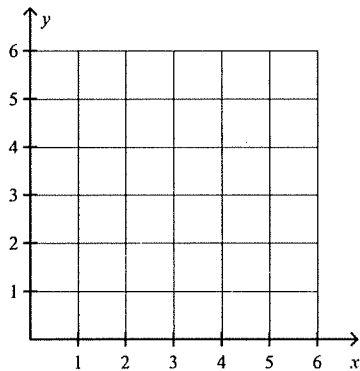
46. Your school's science club is making gift baskets to sell. The club has 350 individually wrapped soaps to put into the gift baskets. The club wants to put 3 soaps in each gift basket. How many gift baskets can the club make?

Plot the ordered pair in the coordinate plane using a dot (or point).

47. (2, 5)

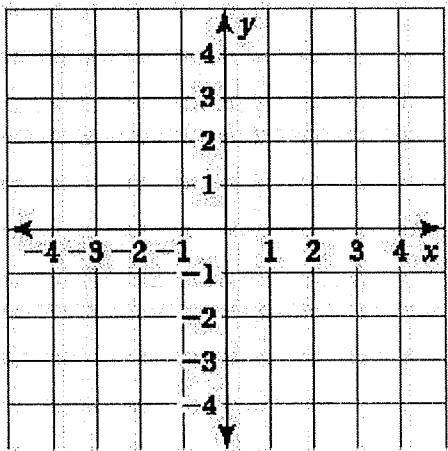


48. (0, 4)



Plot the ordered pair in the coordinate plane. If you can, name the quadrant(s).

49. $X(-3, 2)$



50. $J(4, 2)$

