

# Summer Packet ~ Rising 7<sup>th</sup> Grade

**Multiply or divide.**

1.  $4.5 \div 0.9$

2.  $34.1 \div 5.5$

3.  $2.7(7.8)$

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

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

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

7. You need to buy 5 notebooks for your classes at school. Each notebook costs \$2.79. What is the total cost of 5 notebooks before tax?

**Complete the statement using <, >, or =.**

8.  $\frac{4 \text{ tables}}{3 \text{ groups}} \text{ --- } \frac{6 \text{ tables}}{5 \text{ groups}}$

9.  $\frac{66 \text{ pages}}{2 \text{ hours}} \text{ --- } \frac{99 \text{ pages}}{3 \text{ hours}}$

10. You have \$50 in your savings account. Each week you deposit \$5 in your account. Write an expression that models the situation.

**Solve the equation.**

11.  $x + 5 = 10$

12.  $x - 2 = 6$

13.  $x - 1 = 9$

14.  $7 + x = 13$

15.  $5x = 65$

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

17. What is the volume rectangular prism with length 5 centimeters, width 2 centimeters, and height 3 centimeters?

**Tell whether the two expressions are equivalent.**

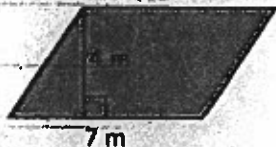
18.  $5 + 3b$ ;  $3b + 5$

19.  $5(h + 7)$ ;  $5h + 35$

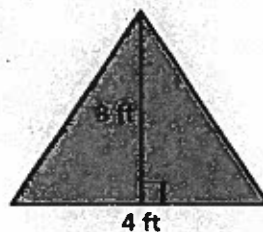
20.  $(2 - c)4$ ;  $2 - 4c$

**Find the area of the figure.**

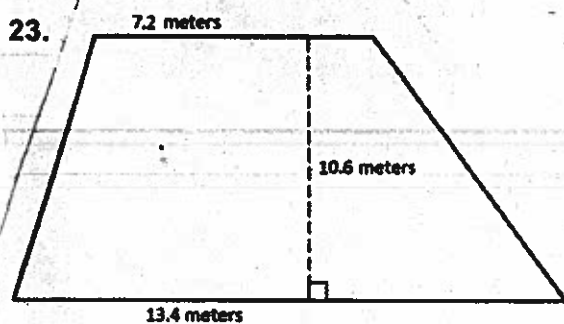
21.



22.



23.



Find the area of the trapezoid.

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. **See left.**9. **See left.**

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

23. \_\_\_\_\_

**Write the decimal as a percent.**

**Answers**

24. 0.89                      25. 2.37                      26. 0.0029

24. \_\_\_\_\_

**Write the percent as a decimal.**

25. \_\_\_\_\_

27. 3%                      28. 78%                      29. 500%

26. \_\_\_\_\_

30. In a survey,  $\frac{17}{25}$  of the people surveyed have a cat. What percent of the people surveyed have a cat?

27. \_\_\_\_\_

28. \_\_\_\_\_

29. \_\_\_\_\_

**Order the numbers from least to greatest.**

30. \_\_\_\_\_

31.  $\frac{5}{8}$ , 60%, 0.64                      32. 34%,  $\frac{4}{15}$ , 0.3                      33. 0.57, 5.8%,  $\frac{14}{25}$

31. \_\_\_\_\_

32. \_\_\_\_\_

**Estimate the sum or product.**

33. \_\_\_\_\_

34. 1.52(98)                      35. 2.04(3.97)                      36. 4.42 + 5.91

34. \_\_\_\_\_

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

35. \_\_\_\_\_

37. 5, 9, 12, 3, 4, 5, 7, 14, 13                      38. 1, 7, 2, 3, 9, 4, 6, 10

36. \_\_\_\_\_

39. The following data are the numbers of customers at a coffee shop over a 10-day period.

37. \_\_\_\_\_

135, 124, 140, 122, 409, 132, 119, 128, 136, 125

Which measure of center best represents the daily average number of customers at the coffee shop? Explain your reasoning.

38. \_\_\_\_\_

\_\_\_\_\_

39. \_\_\_\_\_

\_\_\_\_\_

40. \_\_\_\_\_

41. \_\_\_\_\_

42. \_\_\_\_\_

43. \_\_\_\_\_

44. \_\_\_\_\_

45. \_\_\_\_\_

**Multiply or divide.**

40.  $56 \times 18$                       41.  $656 \div 41$                       42.  $184 \div 23$

**Write the fraction as a decimal.**

43.  $\frac{13}{20}$                       44.  $\frac{3}{8}$                       45.  $\frac{21}{40}$