

math

6th to 7th Grade Summer Packet 2018

Please complete this packet and bring it to turn in on the first day of school in September. Use a pencil, show all work, and record answers on the lines provided.

Extra copies are available on the Middle School's website or in the Middle School office.

The logo features the words "MATH" and "ROCKS" stacked vertically. "MATH" is written in a bold, yellow, sans-serif font with a black outline. "ROCKS" is written in a white, sans-serif font with a black outline, appearing to be drawn with a marker or chalk. The entire logo is tilted slightly to the right.

Summer Practice 6th to 7th Summer Practice

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. $\frac{4 \text{ tables}}{3 \text{ groups}}$ _____ $\frac{6 \text{ tables}}{5 \text{ groups}}$ 9. $\frac{66 \text{ pages}}{2 \text{ hours}}$ _____ $\frac{99 \text{ pages}}{3 \text{ hours}}$

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. $x - 1 = 9$

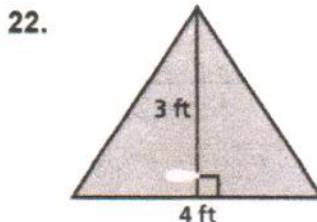
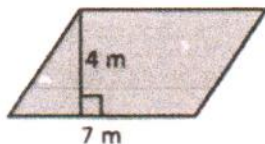
14. $7 + x = 13$ 15. $5x = 65$ 16. $\frac{x}{3} = 11$

17. What is the surface area of a rectangular prism with length 5 centimeters, width 2 centimeters, and height 3 centimeters?

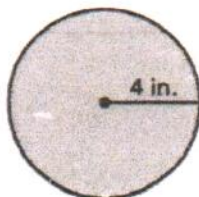
Tell whether the two expressions are equivalent.

18. $5 + 3b$; $3b + 5$ 19. $5(h + 7)$; $5h + 35$ 20. $(2 - c)4$; $2 - 4c$

Find the area of the figure.



23. What is the circumference of the circle? Use 3.14 for π .



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. _____

**Summer
Practice**
6th to 7th Summer Practice (continued)

Write the decimal as a percent.

24. 0.89

25. 2.37

26. 0.0029

Write the percent as a decimal.

27. 3%

28. 78%

29. 500%

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

Order the numbers from least to greatest.

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

32. 34%, $\frac{4}{15}$, 0.3

33. 0.57, 5.8%, $\frac{14}{25}$

Estimate the sum or product.

34. $1.52(98)$

35. $2.04(3.97)$

36. $4.42 + 5.91$

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

37. 5, 9, 12, 3, 4, 5, 7, 14, 13

38. 1, 7, 2, 3, 9, 4, 6, 10

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

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.

Multiply or divide.

40. 56×18

41. $656 \div 41$

42. $184 \div 23$

Write the fraction as a decimal.

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

44. $\frac{3}{8}$

45. $\frac{21}{40}$

Answers

24. _____

25. _____

26. _____

27. _____

28. _____

29. _____

30. _____

31. _____

32. _____

33. _____

34. _____

35. _____

36. _____

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38. _____

39. _____

40. _____

41. _____

42. _____

43. _____

44. _____

45. _____