Summer Assignment for students entering 7th grade in the Fall of 2019

Please complete each problem showing your work on a separate piece of paper and attach it in order to this page. Work should be numbered and in order with your name at the top of each page. This will be the first assignment for the 2019-2020 school year and will be due on the first day of school.

Name _____

Name_____ Date _____

Pre-Course | Pre-Course Test

Multiply or divide.

1. $4.5 \div 0.9$ **2.** $34.1 \div 5.5$ **3.** $2.7(7.8)$

4. $\dfrac{6}{7} \cdot \dfrac{5}{9}$ **5.** $\dfrac{4}{5} \div \dfrac{8}{11}$ **6.** $\dfrac{3}{8} \cdot \dfrac{4}{9}$

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. $\dfrac{4 \text{ tables}}{3 \text{ groups}} \underline{\hspace{1cm}} \dfrac{6 \text{ tables}}{5 \text{ groups}}$ **9.** $\dfrac{66 \text{ pages}}{2 \text{ hours}} \underline{\hspace{1cm}} \dfrac{99 \text{ pages}}{3 \text{ hours}}$

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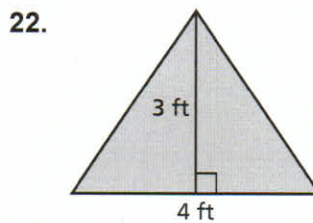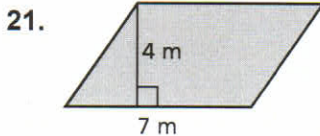
Solve the equation.

11. $x + 5 = 10$ **12.** $x - 2 = 6$ **13.** $x - 1 = 9$

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

17. What is the surface area of a rectangular prism with length 5 centimeters, width 2 centimeters, and height 3 centimeters?
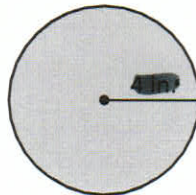
Tell whether the two expressions are equivalent.

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

Find the area of the figure.

21.

4 m

7 m

22.

3 ft

4 ft

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

4 in.

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. _____

Pre-Course **Pre-Course Test** (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, $\dfrac{17}{25}$ of the people surveyed have a cat. What percent of the people surveyed have a cat?

Order the numbers from least to greatest.

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

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. $\dfrac{13}{20}$ **44.** $\dfrac{3}{8}$ **45.** $\dfrac{21}{40}$

Answers

24. _____
25. _____
26. _____
27. _____
28. _____
29. _____
30. _____
31. _____
32. _____
33. _____
34. _____
35. _____
36. _____
37. _____
   _____
38. _____
   _____
39. _____
   _____
40. _____
41. _____
42. _____
43. _____
44. _____
45. _____