

Name _____ Date _____

Part 1

Solve.

1.
$$\begin{array}{r} 43 \\ + 78 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 71 \\ - 38 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 207 \\ + 194 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 307 \\ - 119 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 39 \\ \times 9 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 52 \\ \times 17 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 634 \\ \times 8 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 337 \\ 59 \\ + 1,508 \\ \hline \end{array}$$

9. $6 \overline{)46}$

10. $9 \overline{)738}$

Part 2

Round the numbers, then give an approximate answer.

11.
$$\begin{array}{r} 545 \\ + 322 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 598 \\ \times 6 \\ \hline \end{array}$$

Part 3

Answer the questions about factors and multiples.

13. What are the factors of 20? _____

14. What is the greatest common factor (GCF) for 24 and 36? _____

15. List the first five multiples of 8. _____

16. What is the least common multiple (LCM) of 6 and 9? _____

17. Circle the prime numbers in the list.

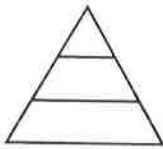
2 3 4 6 9 11 15 17 29 31 45 47

Part 4

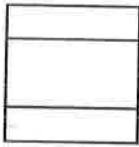
Answer the questions about fractions.

18. Which of the models is divided into fair shares? _____

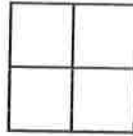
(a)



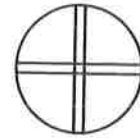
(b)



(c)



(d)



19. Add $\frac{2}{3} + \frac{1}{6}$. _____

20. Subtract $\frac{4}{9} - \frac{1}{6}$. _____

21. Write an equivalent fraction for $\frac{2}{3}$. _____

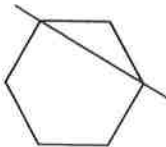
22. Simplify the fraction $\frac{6}{8}$. _____

Part 5

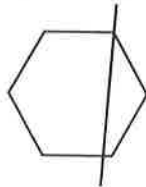
Answer the questions about geometry and measurement.

23. Which picture shows a line of symmetry drawn correctly? _____

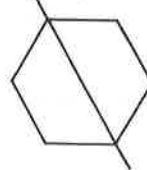
(a)



(b)



(c)



24. The tangram shapes represent _____.



(a) similar shapes

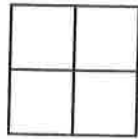
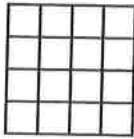
(b) congruent shapes

(c) convex shapes

(d) quadrilaterals

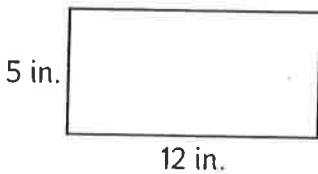
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25. If the following two shapes have the same area, what explains the fact that the measurements are different? _____



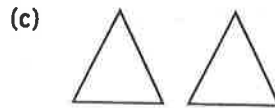
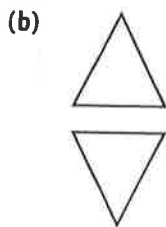
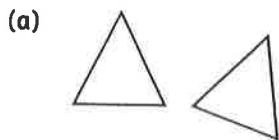
Area = 16 units² Area = 4 units²

- (a) One is a square and one is a rectangle.
 (b) The unit sizes are different.
 (c) The sides are different lengths.
26. Find the area and perimeter of the rectangle.



Area _____ Perimeter _____

27. Which of the following shows a slide (translation) of the triangle? _____



28. What metric unit of measurement would you use to measure the cover of your math book? _____

- (a) meters
 (b) centimeters
 (c) kilometers

Part 6

Answer the questions about data and statistics.

29. The median of the following set of data is _____.
 12 14 15 16 17 19 21 22 23 30 35 37 44

30. The range of a set of data is _____.
 (a) the difference between the maximum and the minimum
 (b) the difference between the median and the mean
 (c) the sum of the maximum and the mode

31. Circle the outlier in the following set of data.
 6 4 5 3 50 5 4 3 6 5 4 6

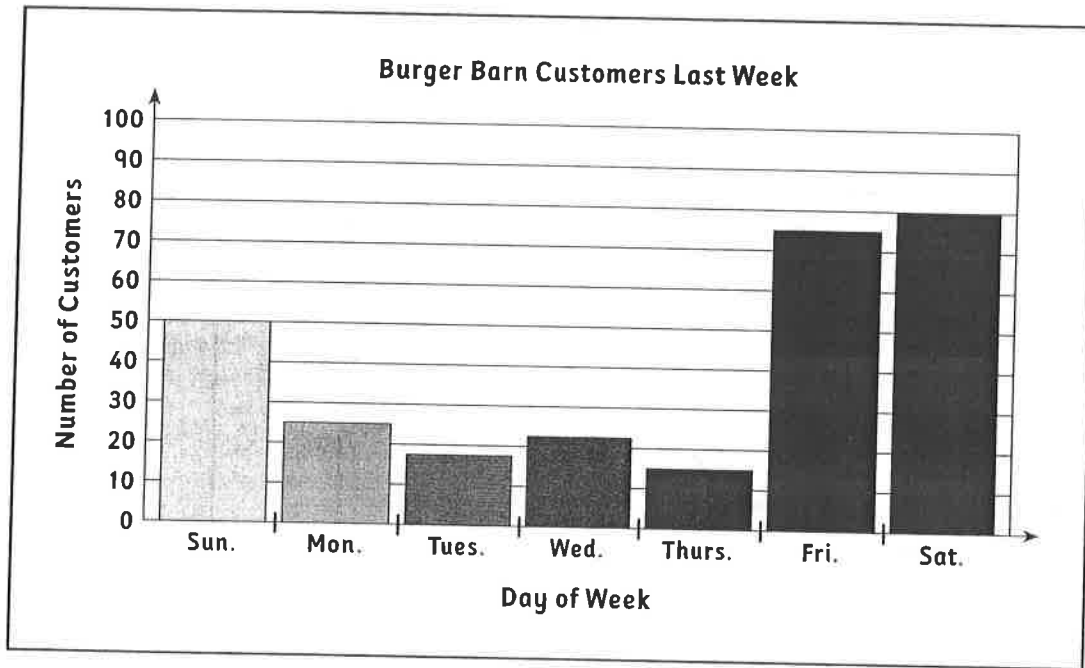
32. What is the maximum in the following stem-and-leaf plot? _____

3	2 3 3 4 5 6 7
4	1 1 1 1 2
5	2 3 4 5 5
6	1 2 2 2
7	1 2

33. The mean of the following set of data is _____.
 1 3 4 8 9
 (a) 4
 (b) 5
 (c) 6

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34. How many more customers went to Burger Barn on Saturday than on Sunday? _____



35. Between which two months did CD sales change the least?

_____ and _____

