

Review for Chapter One Exam

Determine the place value of the digit 3 in the whole number.

1. 463,981

Write each whole number in words.

2. 4,200,091

3. 3,072

Write the whole number in standard form.

4. Last year the population of a city increased by two thousand, one hundred eight.

Write each whole number in expanded form.

5. 63,421

6. 32,501,002

Use $<$ or $>$ for _____ to write a true sentence.

7. 0 _____ 14

8. 37 _____ 42

The table shows the number of votes each candidate received in the last election. Use this table to answer the following question.

| Candidate | Votes |
|-------------|-------|
| Mr. Olsen | 2,078 |
| Ms. Li | 3,760 |
| Mr. Barone | 2,780 |
| Ms. Vaporis | 3,706 |

9. Write the number of votes received by Mr. Barone in expanded form.

Perform the indicated operation.

10.
$$\begin{array}{r} 777 \\ + 948 \\ \hline \end{array}$$

11.
$$\frac{36}{36}$$

12.
$$\begin{array}{r} 50 \\ - 11 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 475 \\ \times 4 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 508 \\ \times 18 \\ \hline \end{array}$$

15. $(590)(80)$

16.
$$\frac{45}{9}$$

17.
$$\begin{array}{r} 885 \\ - 44 \\ \hline \end{array}$$

18.
$$\frac{9}{0}$$

19. $1150 \div 46$

20.
$$\begin{array}{r} 6587 \\ - 2524 \\ \hline \end{array}$$

21. $5 \overline{)5255}$

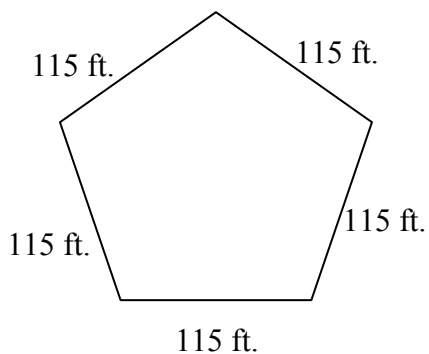
22. $245,447 \div 400$

23.
$$\begin{array}{r} 91 \\ - 28 \\ \hline \end{array}$$

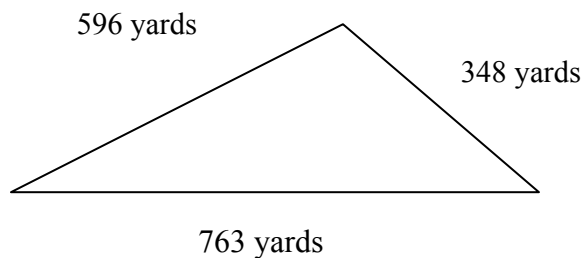
24. $531 + 881$

Find the perimeter.

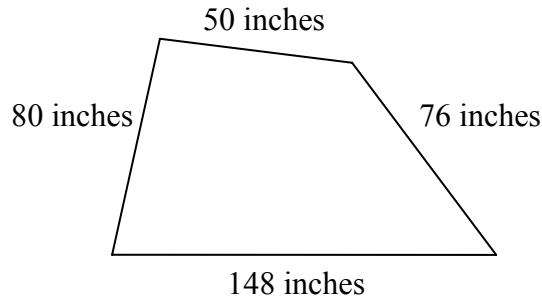
25.



26.



27.



Solve.

28. Last year a company had 5,846 employees. This year the number of employees increased by 1,388. How many employees does the company have now?
29. Find the product of 7 and 0.
30. Lew is installing an invisible fence in his back yard which measures 111 feet by 68 feet by 87 feet by 99 feet. How many feet of wiring are needed to enclose his yard?
31. A rectangular plot of land measures 60 feet by 170 feet. Find its area.
32. Find the sum of 31 and 32.
33. Claire is reading a 501 page book. If she has just finished reading page 285, how many more pages must she read to finish the book?

34. The textbook for a history class costs \$51. There are 23 students in the class. Find the total cost of the history books for the class.
35. Find the quotient of 54 and 6.
36. A camera that sells regularly for \$250 is discounted by \$69 in a sale. What is the sale price?
37. Ms. Losch has a piece of rope 227 feet long that she cuts into pieces for an experiment in her first grade class. Each piece of rope is to be 9 feet long. How many 9 foot long pieces of rope can she cut from the original piece of rope?
38. Find the difference of 33 and 5.
39. Round the whole number 45,746,400 to the nearest million.

Estimate the answer by rounding each number to the nearest ten.

40.
$$\begin{array}{r} 763 \\ - 98 \\ \hline \end{array}$$

Estimate the answer by rounding each number to the nearest hundred.

41. 591×304

42.
$$\begin{array}{r} 708 \\ 519 \\ 291 \\ 637 \\ + 718 \\ \hline \end{array}$$

Solve each problem by estimating.

43. The Pan family took a trip and traveled 55, 165, 649, 639, 798, and 360 miles on 6 consecutive days. Round each distance to the nearest hundred to estimate the distance they traveled.
44. Andy wants to buy a refrigerator for \$799, a stove for \$459, and a dishwasher for \$249. Round each cost to the nearest hundred to estimate the total cost.

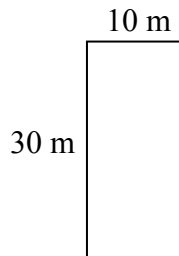
Use the distributive property to rewrite each expression.

45. $8(5+3)$

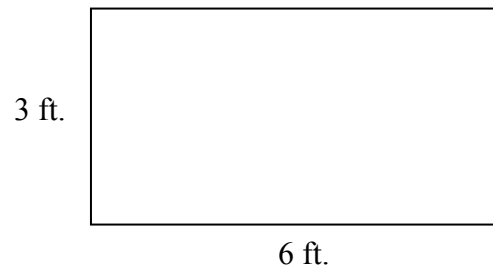
46. $9(8+2)$

Find the area of each rectangle.

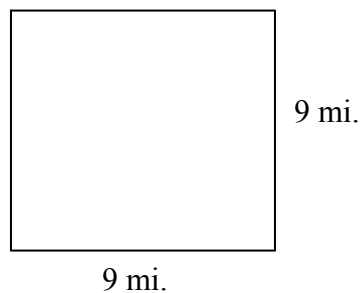
47.



48.



49.



Find the average of each list of numbers.

50. 25, 29, 26, 30, 57, 24, 26

51. 269, 695, 660, 716

Write using exponential notation.

52. $18 \cdot 18 \cdot 18 \cdot 18 \cdot 18$

53. $8 \cdot 8 \cdot 8 \cdot 8$

54. Find the square of 15.

55. Find the cube of 4.

Evaluate.

56. 9^3

57. 12^2

Simplify.

58. $17 + 26 \cdot 30$

59. $0 \div 7 + 4 \cdot 8$

60. $19 \cdot 6 + 10 \cdot 12$

61. $\{ [57 - 2 \cdot 4] - [66 \div (1 + 2)] \} \cdot 6$

62. $7 [5 + 6(2^2)]$

63. List the digits

64. List the set of whole numbers

ANSWERS

1. thousands 2. four million, two hundred thousand, ninety-one 3. three thousand, seventy-two
4. 2,108 5. $60,000 + 3,000 + 400 + 20 + 1$ 6. $30,000,000 + 2,000,000 + 500,000 + 1,000 + 2$ 7. $<$
8. $<$ 9. $2,000 + 700 + 80$ 10. 1,725 11. 1 12. 39 13. 1,900 14. 9,144 15. 47,200 16. 5
17. 841 18. undefined 19. 25 20. 4,063 21. 1,051 22. 613 R247 23. 63 24. 1,412
25. 575 ft. 26. 1,707 yds. 27. 354 in. 28. 7,234 employees 29. 0 30. 365 ft. 31. $10,200 \text{ ft}^2$
32. 63 33. 216 pages 34. \$1,173 35. 9 36. \$181 37. 25 pieces of rope 38. 28
39. 46,000,000 40. 660 41. 180,000 42. 2,800 43. 2,700 miles 44. \$1,500 45. $8 \cdot 5 + 8 \cdot 3$
46. $9 \cdot 8 + 9 \cdot 2$ 47. 300 m^2 48. 18 ft^2 49. 81 mi^2 50. 31 51. 585 52. 18^5 53. 8^4
54. 225 55. 64 56. 729 57. 144 58. 797 59. 32 60. 234 61. 162 62. 203
63. 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 64. $\{0, 1, 2, 3, \dots\}$