

Please show work on a separate sheet of paper.

Give the place value of the underlined digit. Then round the number to that place.

1. 4561.23

2. 875.43

3. 87.344

4. 91.8756

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

Estimate the sum or difference by rounding each number to the place of its leading digit.

5. $1376 + 7602$

6. $54,929 - 23,781$

7. $94,528 - 45,095$

8. $580,349 + 290,111$

Find a low estimate and a high estimate for the product or quotient.

9. 238×87

10. 875×482

11. $6309 \div 53$

12. $4915 \div 86$

10. _____

Order the numbers from least to greatest.

13. 4.3, 3.4, 4.5, 3.45

14. 0.71, 0.75, 0.7, 0.715

11. _____

Perform the indicated operation.

15. $4.2 + 1.9$

16. $18.24 + 22.09$

17. $8.6 - 3.45$

18. $8.21 - 5.19$

19. 9.3×0.6

20. 15.2×7.1

21. $1.5 \div 0.3$

22. $18.25 \div 7.3$

14. _____

Write the mixed number as an improper fraction.

23. $5\frac{3}{4}$

24. $6\frac{4}{13}$

15. _____

Write the improper fraction as a mixed number.

25. $\frac{23}{6}$

26. $\frac{27}{11}$

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

26. _____

Find the sum or difference.

27. $\frac{3}{7} + \frac{2}{7}$

28. $\frac{6}{17} + \frac{9}{17}$

29. $\frac{17}{21} - \frac{7}{21}$

30. $\frac{16}{29} - \frac{5}{29}$

Find the product.

31. $8 \times \frac{3}{4}$

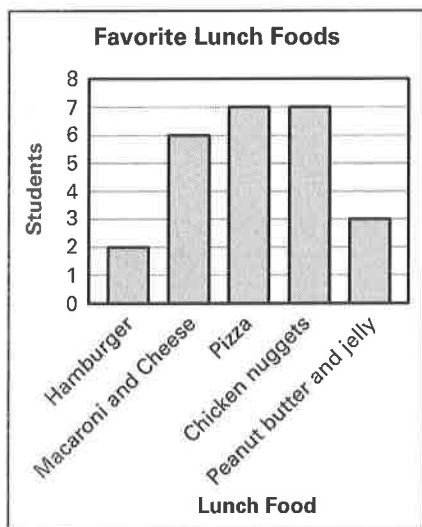
32. $\frac{5}{6} \times 30$

33. $4 \times \frac{7}{9}$

34. $\frac{4}{7} \times 9$

In Exercises 35–37, use the bar graph which shows the results of a survey of 25 students about their favorite lunch food.

35. How many students chose chicken nuggets?
36. Which two foods were chosen by the same number of people?
37. How many more students chose macaroni and cheese than chose hamburger?



Answers

27. _____

28. _____

29. _____

30. _____

31. _____

32. _____

33. _____

34. _____

35. _____

36. _____

37. _____

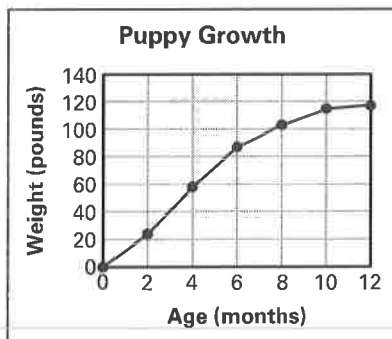
38. _____

39. _____

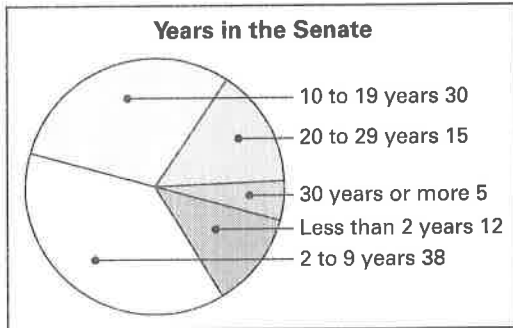
40. _____

In Exercises 38–40, use the line graph which shows the weight of an Irish wolfhound puppy.

38. What was the weight of the puppy at 8 months?
39. How old was the puppy when it weighed 60 pounds?
40. Between which two ages was the weight increase the greatest?
Between which two months was the weight gain the least?



In Exercise 41–43, use the circle graph which shows the number of years that a senator had worked in the U.S. Senate at the start of the 104th Congress.

**Answers**

41. _____
42. _____
43. _____
44. See left. _____
45. _____

41. How many senators had worked in the U.S. Senate for 10 to 19 years?
42. How many senators had worked in the U.S. Senate for 20 years or more?
43. How many senators had worked in the U.S. Senate for 9 years or less?
44. Using the set of whole numbers less than 13, draw a Venn diagram showing set A , which consists of numbers that are multiples of 2, and set B , which consists of numbers that are multiples of 3.

45. Use the Venn diagram from Exercise 44 to determine whether the following statement is true or false.

There are exactly two whole numbers less than 13 that are multiples of 2 and 3.

- ## Answers


- 57.** _____


- 49.** 560 mm = ? cm


50. $\frac{5}{8}$ inch


- 51.** 5.3 centimeters

53. _____

54.  A square with side lengths of 5 yd.

55.  11 km

56.  A 3D diagram of a cube. The front horizontal edge is labeled 13 ft. The front vertical edge is labeled 13 ft. The receding edge on the right is labeled 13 ft.

57.  A 3D diagram of a cube. The front face is a square with side length 2.3 cm. The depth of the cube is also 2.3 cm. The top edge of the right face is labeled 2.3 cm. The bottom edge of the front face is labeled 2.3 cm. The right edge of the front face is labeled 2.3 cm.

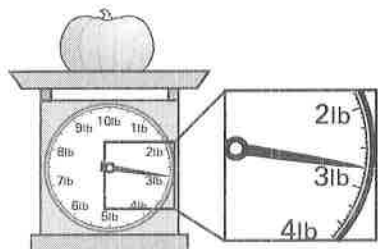
Copy and complete the statement using $<$, $>$, or $=$.

58. 1.5 tons $\underline{\quad ? \quad}$ 3100 lb

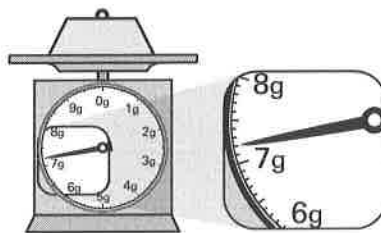
59. 6.7 kg $\underline{\quad ? \quad}$ 6700 g

Find the weight or mass of the object.

60.



61.



Answers

58. _____

59. _____

60. _____

61. _____

62. _____

63. _____

64. _____

65. _____

66. _____

67. _____

68. See left.

69. See left.

Copy and complete the statement using $<$, $>$, or $=$.

62. 16 fl oz $\underline{\quad ? \quad}$ 2 c

63. 31,150 mL $\underline{\quad ? \quad}$ 3 L

Find the amount of liquid in the measuring cup.

64.

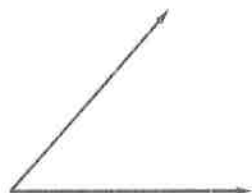


65.

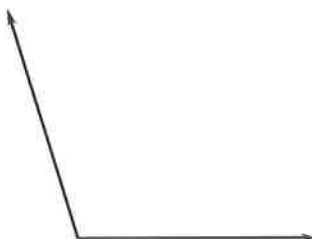


Use a protractor to measure the angle.

66.



67.

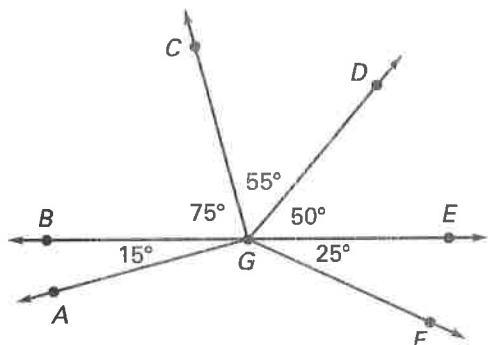


Use a protractor to draw an angle that has the given measure.

68. 168°

69. 22°

Find the measure of the angle. Then classify the angle as *acute*, *right*, *obtuse*, or *straight*.



70. $m\angle AGC$

71. $m\angle CGF$

72. $m\angle DGF$

73. $m\angle BGE$

Use a compass to draw a circle with the given radius.

74. 0.5 inch

75. 2 cm

Answers

70. _____

71. _____

72. _____

73. _____

74. See left.

75. See left.

76. See left.

76. Use a straightedge and a compass to draw a segment whose length is the sum of the lengths of the two given segments.

P Q

R S