

6th Grade

Find each sum.

1) $12.9 + 15.7$

2) $3.8 + 2.8$

3) $10.9 + 11.8$

4) $11.1 + 1.77$

5) $6 + 0.61$

Find each difference.

6) $15.8 - 14.5$

7) $15.1 - 7.4$

8) $16 - 15.9$

9) $9 - 5.6$

10) $8.9 - 4.4$

Find each product.

11) 0.7×10

12) 10×9.9

13) 2.3×0.7

14) 5.7×6.1

15) 0.8×0.9

Find each quotient.

16) $15.1 \div 0.4$

17) $18.2 \div 1.4$

18) $3.3 \div 5.5$

19) $19 \div 2$

20) $19.7 \div 0.5$

Evaluate each expression.

21) $4^2 + 6$

22) $1^3 + 1$

23) $6 - 4 - 1$

24) $(4 \div 4)^2$

25) $2 \times 2 \div 2$

Write each as a numeral.

26) two hundred thirty-seven thousandths

27) eighty-eight thousandths

28) three hundred eighty-nine thousandths

Write each numeral in words.

29) 0.004

30) 0.003

31) 0.027

Each number is divisible by which of the following: 2, 3, 5, 9, 10?

32) 87

33) 72

34) 66

35) 98

Round each to the place indicated.

36) 0.0888

37) 9.085

38) 5.6182

39) 0.17

Find each sum.

40) $5\frac{1}{2} + \frac{5}{7}$

41) $\frac{5}{3} + \frac{1}{8}$

42) $6 + \frac{3}{2}$

43) $4 + 7\frac{2}{3}$

44) $\frac{3}{4} + \frac{1}{4}$

45) $\frac{10}{7} + \frac{5}{7}$

46) $1\frac{3}{7} + \frac{2}{3}$

Find each difference.

47) $4\frac{1}{5} - 2\frac{2}{3}$

48) $3\frac{5}{7} - \frac{6}{5}$

49) $\frac{3}{8} - \frac{1}{6}$

50) $1 - \frac{1}{2}$

51) $\frac{5}{3} - \frac{3}{4}$

52) $3\frac{1}{2} - \frac{3}{4}$

53) $\frac{1}{2} - \frac{1}{2}$

Find each product.

54) $1\frac{4}{5} \times \frac{9}{10}$

55) $3\frac{1}{2} \times 2$

56) $4\frac{7}{8} \times 1\frac{2}{7}$

57) $3\frac{1}{6} \times \frac{6}{7}$

58) $5\frac{7}{10} \times \frac{5}{3}$

59) $1\frac{2}{3} \times \frac{6}{7}$

$$60) 1\frac{3}{10} \times \frac{7}{5}$$

Find each quotient.

$$61) \frac{1}{3} \div 2\frac{1}{5}$$

$$62) 1\frac{4}{5} \div \frac{1}{2}$$

$$63) \frac{4}{5} \div \frac{1}{4}$$

$$64) 2 \div 1\frac{1}{3}$$

$$65) \frac{1}{4} \div 4$$

$$66) \frac{1}{2} \div \frac{3}{2}$$

$$67) 2\frac{1}{2} \div \frac{6}{5}$$

Simplify each. Leave your answer as an improper fraction.

$$68) \frac{42}{12}$$

$$69) \frac{30}{24}$$

$$70) \frac{42}{24}$$

$$71) \frac{90}{36}$$

$$72) \frac{48}{18}$$

$$73) \frac{36}{30}$$

$$74) \frac{72}{54}$$

Find the GCF of each.

$$75) 32, 48$$

$$76) 25, 10$$

77) 48, 42

78) 12, 30

79) 25, 35

Find the LCM of each.

80) 8, 10

81) 16, 20

82) 20, 8

83) 6, 4

84) 20, 14

Write each numeral in words.

85) 9,860

86) 5,300

87) 4,100

88) 507,070,501

89) 602,036,445

Write each as a numeral.

90) forty-nine million, sixty thousand, five

91) twenty million, one hundred ten thousand, seventy

92) nine million, seven hundred thousand, two

Answer each question and round your answer to the nearest whole number.

93) A statue that is 7 m tall casts a shadow that is 10 m long. Find the length of the shadow that a 14 m lighthouse casts.

94) A cardboard box that is 2 ft tall casts a shadow that is 5 ft long. Find the height of a car that casts a 10 ft shadow.

95) At a restaurant, Willie and his 10 friends decided to divide the bill evenly. If each person paid \$10.59, then what was the total bill?

96) Shreya ran 11.5 miles. more than Jaidee last week. Shreya ran 26 miles.. How many miles. did Jaidee run?

Answer each question and round your answer to the nearest whole number.

97) Molly bought one cantaloupe for \$2. How many cantaloupes can Stephanie buy if she has \$12?

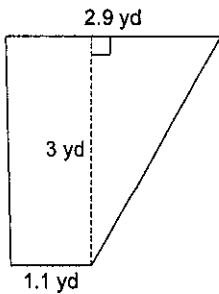
98) Molly took a trip to Western Samoa. Upon leaving she decided to convert all of her Tala back into dollars. How many dollars did she receive if she exchanged 9 Tala at a rate of \$1 to 3 Tala?

99) Ted had some candy to give to his four children. He first took three pieces for himself and then evenly divided the rest among his children. Each child received five pieces. With how many pieces did he start?

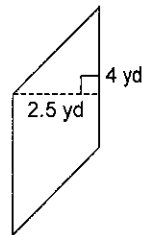
100) Wilbur spent half of his weekly allowance on clothes. To earn more money his parents let him wash the dog for \$9. What is his weekly allowance if he ended with \$16?

Find the area of each.

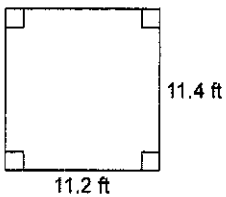
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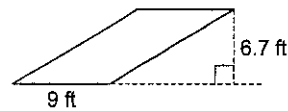
102)



103)



104)



105)

