CTJan27 Online Year 4 Practice Test

1. In April, 5,326 books were checked out of the library. In May, 3,294 books were checked out. How many books were checked out in all?

   a. 8,620
   b. 8,610
   c. 8,520
   d. 8,510

2. 43,654 + 23,542 =

   a. 45,891
   b. 67,196
   c. 34,908
   d. 76,691

3. Put the following decimals in order from least to greatest.

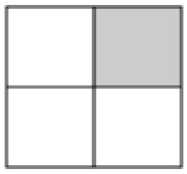
   0.4213, 0.4312, 0.4321, & 0.4132

   a. 0.4213, 0.4312, 0.4321, 0.4132
   b. 0.4132, 0.4213, 0.4312, 0.4321
   c. 0.4132, 0.4312, 0.4213, 0.4321
   d. 0.4312, 0.4213, 0.4321, 0.4132

4. How would you write the fraction $\frac{2}{10}$ as a decimal?

   a. 0.2
   b. 0.02
   c. 0.002
   d. 2

5. What decimal represents the shaded part?



   a. 0.20
   b. 0.25
   c. 0.50
   d. 0.75

6. Compare the following numbers.

   0.45_____0.56

   a. $<$
   b. $>$
   c. $=$

7. Give the decimal equivalent for the fraction $\frac{3}{4}$.

   a. .25
   b. .10
   c. .75
   d. .625

8. Choose the correct quotient.

   $2,103 \div 3 = \ ?$

   a. 705
   b. 701
   c. 940
   d. 458

9. The number that goes inside the long division symbol is called the _____.

   a. quotient
   b. divisor
   c. dividend
   d. Not enough information

10. The "quotient" is the answer to a(n) _____ problem.

    a. subtraction
    b. division
    c. addition
    d. multiplication

11. Determine the solution.
    $5 \times 8 - (16 - 4 \div 2) =$ _____

12. $[(1 + 2) + (3 + 5)] - 2$

    a. 9
    b. 10
    c. 5
    d. 3

13. Evaluate the expression.
    $3 + [2 + (3 \times 1)] - 1$

    a. 7
    b. 8
    c. 9
    d. 6

14. Which part of the numerical expression should be evaluated first?
    $10 + [(8 - 2) + (5 - 3)]$

    a. 10 + 8
    b. 8 - 2
    c. 5 - 3
    d. 6 + 2

15. Solve.
    $600 \div 2 \div 3 \div 5 =$ _____

16. Determine the solution.
    $(6 \times 2 - 2 \times 3) + 4 \div 2 =$ _____

17. In which place value is the 9 in 12.9435?
    a. ones
    b. thousandths
    c. hundreds
    d. tenths

18. Write in standard notation. (6 x 1000) + (4 x 10) + (3 x 1)
    a. 6,034
    b. 6,340
    c. 6,430
    d. 6,043

19. Write 0.0036 in word form.
    a. thirty-six hundreds
    b. thirty- six millionths
    c. thirty and six hundreds
    d. thirty-six ten thousandths

20. Name the place value of the 4.
    13.5478
    a. tenths
    b. hundredths
    c. thousandths
    d. ten-thousandths

21. What is 1,935 rounded to the nearest thousand?
    a. 1,140
    b. 2,100
    c. 2,040
    d. 2,000

22. Numbers that round to 80
    a. 72
    b. 75
    c. 81
    d. 84

23. Choose an answer that has a digit in the hundreds place that has a greater value than the digit in the thousands place.
    a. 101,100
    b. 423,804
    c. 586,340
    d. 873,212

24. 5,487,938.87 is written as five million, four hundred eighty-seven, nine hundred eight and eighty-seven hundredths.
    a. True
    b. False

25. In a 2013 poll, 905,160 people participated from Jones County. Which option shows this number in word form?

    a. ninety-five thousand, sixteen
    b. nine hundred five thousand, one hundred sixty
    c. nine hundred fifty thousand, sixty
    d. nine hundred five thousand, one hundred six

26. Write CMIII as a number.

27. Write MMDCCCLIX as a number.

28. What is the number of degrees in the third angle of the triangle?

    $\_\_\_\_\_;80^\circ;22^\circ$

    a. 258°
    b. 129°
    c. 32°
    d. 78°

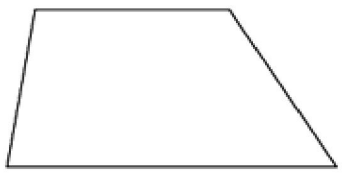
29. Subtract. $54.85 - $27.68 =

    a. $27.07
    b. $9.14
    c. $27.17
    d. $54.00

30. All of the sides of this triangle are equal. What kind of a triangle is this?

    a. scalene
    b. isosceles
    c. equilateral
    d. right triangle

31. Which one is NOT a name for this figure?

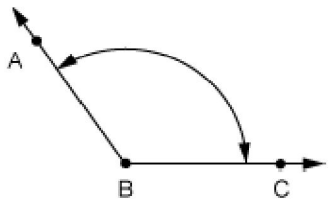


    a. polygon
    b. quadrilateral
    c. parallelogram
    d. trapezoid

32. Which angle is 60 degrees?

a. right
b. acute
c. obtuse
d. straight

33. This angle is acute.



a. True
b. False

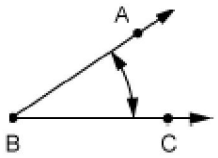
34. An angle that has a measure of greater than 180 degrees and less than 360 degrees is called a _____ angle.

a. straight
b. right
c. reflex

35. If all three angles in a triangle add up to 180 degrees and two angles are 40 degrees and 60 degrees, what is the measure of the last angle?

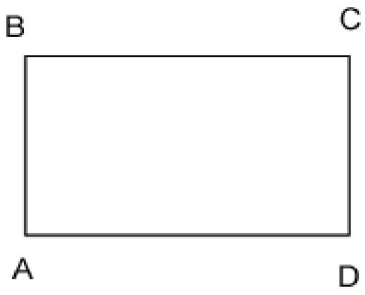
a. 60 degrees
b. 50 degrees
c. 30 degrees
d. 80 degrees

36. What type of angle is shown?



a. acute angle
b. obtuse angle
c. right angle
d. straight angle

37. Side BC measures 9 inches. Side CD is half of side BC. What is the perimeter of this shape?

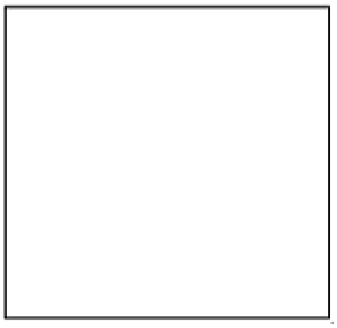


a. 27 inches
b. 18.5 inches
c. 13.5 inches

38. If you had to build a fence around your back yard, which measure would you use to find the amount of fencing needed?

a. Circumference
b. Volume
c. Perimeter
d. Area

39. The length of each side of the square is 3.4 cm. Find the perimeter.

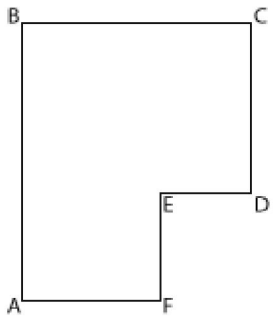


a. 1.36 cm
b. 6.8 cm
c. 13.6 cm
d. 12.6 cm

40. Perimeter = 30

BC = 6
CD = 6
ED = 2
EF = 3
AF = 4

What is the length of AB?



a. 6
b. 7
c. 8
d. 9

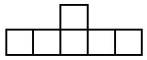
41. The length of a rectangular map is 15 inches and the perimeter is 50 inches. Find the width.

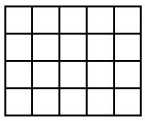
a. 10 inches
b. 20 inches
c. 30 inches
d. 35 inches

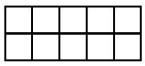
42. Which of the following formulas, or rules, cannot be used to calculate the perimeter of a rectangle?

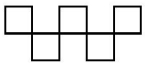
a. P = l + w + l + w
b. P = 2 (l + w)
c. P = l + w
d. P = 2l + 2w

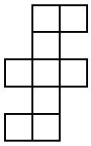
43. Each unit square of the figure has a side length of 1. Which figure has the same perimeter as the figure shown?



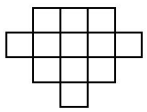
a. 

b. 

c. 

d. 

44. If each side of a unit square is 3 feet long, what is the perimeter of the shape?



a. 54 ft
b. 145 ft
c. 45 ft
d. 18 units

45. The distance around the outside of a shape.

a. unit rate
b. perimeter
c. area

46. Rebecca spent 4 hours working on a typing project for the print shop. Her boss agreed to pay her $5 for each of the first 10 pages and $1 for each of the remaining pages. Rebecca typed 18 pages. What information below is NOT needed to calculate the amount Rebecca will be paid?

a. 4 hours
b. 18 pages
c. $5 for each of the first 10 pages
d. $1 for each remaining page

47. 43 cents written as a percentage of 1 dollar can be written as

a. 430%.
b. 0.43%.
c. 43%.
d. 4.3%.

48. Select all that are greater than 75%.

a. $\frac{4}{5}$
b. $\frac{8}{9}$
c. $\frac{1}{2}$
d. $\frac{5}{9}$

49. What is 7% expressed as a decimal?

a. 0.7
b. 0.07
c. 0.007
d. 7.0

50. $9\frac{3}{4} - 3\frac{1}{4} =$

a. 6
b. $6\frac{1}{2}$
c. $6\frac{1}{4}$
d. 13

51. Evaluate. Leave in simplest form.

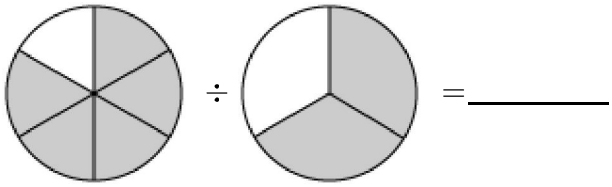
$\frac{2}{3} - \frac{4}{9} =$

a. $\frac{2}{6}$
b. $-\frac{2}{6}$
c. $\frac{2}{9}$
d. $-\frac{2}{9}$

52. What is $\frac{3}{5}$ as a decimal number?

a. 0.35
b. 0.6
c. 0.66
d. 0.75

53. The shaded shapes below represent fractions. Which fraction is the correct solution to the problem?

 $=$_____

a. $\frac{5}{4}$
b. $\frac{4}{5}$
c. $\frac{5}{9}$
d. $\frac{9}{5}$

54. Add.
$\frac{1}{4} + \frac{2}{5}$

a. $\frac{3}{9}$
b. $\frac{13}{20}$
c. $\frac{3}{20}$
d. $\frac{9}{20}$

55. $\frac{2}{3} - \frac{4}{9} =$

a. $\frac{2}{9}$
b. $\frac{1}{3}$
c. $\frac{2}{6}$
d. $\frac{4}{9}$

56. Which of these fractions are in simplest form?

a. $\frac{2}{4}$

b. $\frac{2}{5}$

c. $\frac{1}{3}$

d. $\frac{3}{6}$

e. $\frac{3}{9}$

57. Is $\frac{1}{8}$ less than, greater than, or equal to $\frac{1}{2}$?

a. less than 1/2

b. greater than 1/2

c. equal to 1/2

58. $\frac{4}{5} \times \frac{2}{3} =$

a. 8/15

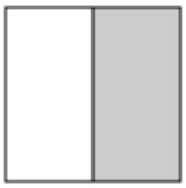
b. 3/4

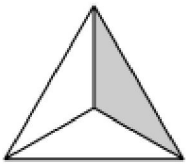
c. 2/5

d. 1 3/5

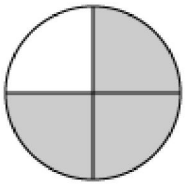
59. Choose the shaded shape that shows the solution to the fraction problem below.

$\frac{1}{4} \div \frac{3}{8} =$

a. 

b. 

c. 

d. 

60. In the U.S. $\frac{1}{3}$ of the corn grown is produced in Iowa. $\frac{5}{12}$ of it is produced in Nebraska. How much of the corn supply is grown in these two states?

a. $\frac{4}{9}$

b. $\frac{3}{4}$

c. $\frac{6}{15}$

d. $\frac{3}{36}$

61. Simplify this fraction:

$\frac{5}{15}$

a. $\frac{3}{4}$

b. $\frac{1}{2}$

c. $\frac{1}{3}$

62. Compare the following fractions.

$\frac{7}{8} \_\_\_\_\_ \frac{2}{5}$

a. <

b. >

c. =

63. Rachel used a rule to create the following pattern.

11, 14, 17, 20, 23, 26

Her friend correctly created a similar pattern using Rachel's rule. Which pattern did Rachel's friend create?

a. 18, 24, 29, 33, 36, 38

b. 16, 19, 22, 25, 28, 31

c. 3, 9, 27, 81, 243, 729

d. 2, 5, 9, 14, 20, 27

64. A number pattern is shown below.

100, 95, 110, 105, 120, ...

If this pattern continues, what number will come next?

a. 100

b. 115

c. 120

d. 130

65. The teacher wrote the following numerical pattern on the board:

    5, 11, 17, 23, 29

    The teacher then asked the students to write a similar pattern. Which set of numbers follows the teacher's pattern?

    a. 2, 4, 6, 8, 10
    b. 3, 6, 9, 12, 15
    c. 2, 8, 14, 20, 26
    d. 1, 4, 7, 10, 13

66. Which numerical pattern follows the rule "subtract 2, then multiply by 3," when starting with 5?

    a. 5, 7, 21, 69
    b. 5, 2, 4, 1, 2
    c. 5, 15, 13, 39, 37
    d. 5, 3, 9, 7, 21, 19, 57

67. Estimate the value of X
    4,098 - 1,209 = X

    a. 3,000
    b. 6,000
    c. 1,000
    d. 2,000

68. Divisibility rules

	Divisible by 3	Divisible by 4	Divisible by 5	Divisible by 9
The sum of the digits of a number is 15				
12,364				
12,780,111,215				
12,780,111,231 is divisible by both 3 and ?				
The last two digit of a number is 24				
Sum of the digits of a number is 21				

69. Divisibility test for 9 is:
    Last two digits of a number are divisible by 9.

    a. True
    b. False

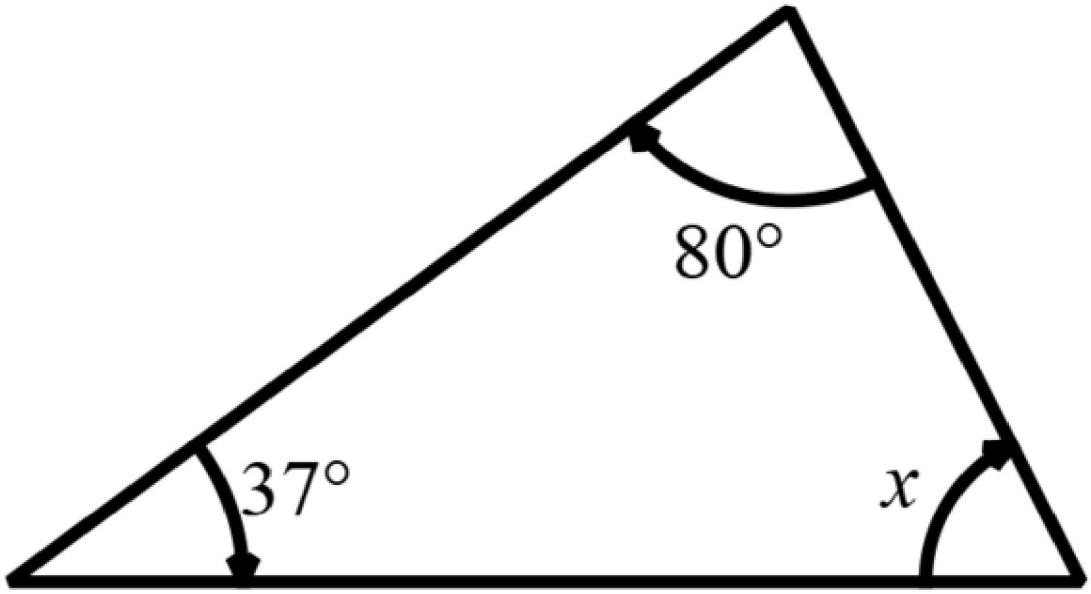
70. Divisibility test for 8 is:
    Last three digits of a number are divisible by 8.

    a. True
    b. False

71. If a number is divisible by both 2 and 4 its always divisible by 8.

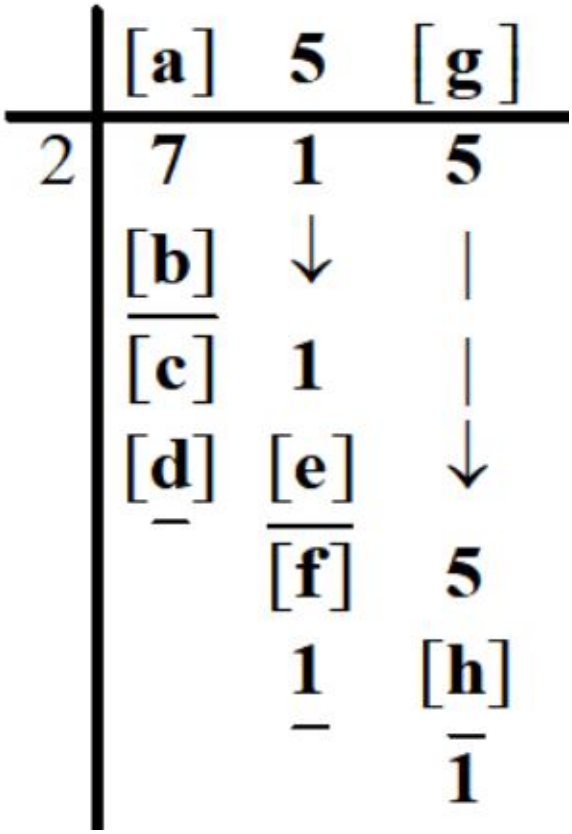
    a. True
    b. False

72. Find x.



a. 63
b. 62
c. 53
d. 72

73.



Fill in the blanks.

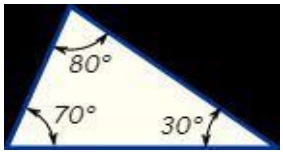
a - _____
b - _____
c - _____
d - _____
e - _____
f - _____
g - _____
h - _____

74. Fill in the blanks.

	[a]	8	[g]
7	5	8	3
	[b]	↓	|
	[c]	8	|
	[d]	[e]	↓
		[f]	3
		2	[h]
			2

a-_____
b-_____
c-_____
d-_____
e-_____
f-_____
g-_____
h-_____

75. Choose the Correct Name of the Triangle described.

	Acute Angled Scalene	Right Angled Scalene	Right Angled Isosceles	Obtuse angled Scalene
The angle measures of a triangle are 30°,60°,90°. Which of the following best classifies the triangle?				
				
The angle measures of a triangle are 85°,38°,57°. What kind of triangle is it?				
The angle measures of a triangle are 45°,45°,90°. What kind of triangle is it?				