5th Grade 3rd Trimester Math Essentials Test
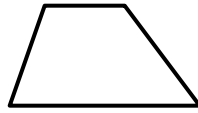
1. Solve: 6 hundreds = ⬚ ones
    a. 60
    b. 6
    c. 600
    d. 6,000

2. In 6,701.28 which digit is in the hundredths place?
    a. 7
    b. 8
    c. 2
    d. 4

3. What is 9,000 + 200 + 70 + 3?
    a. 9,273
    b. 2,100
    c. 21,000
    d. 9,165,000,000

4. Solve: 32.51 + 74.89 = ⬚
    a. 42.38
    b. 107.4
    c. 106.3
    d. 10.4

5. Solve: 23.58 − 19.15 = ⬚
    a. 42.73
    b. 4.43
    c. 16.43
    d. 7.64

6. Solve: 9.6 × 15 = ⬚
    a. 144
    b. 14.4
    c. 1440
    d. 144.44

7. Which SET of words correctly describes this shape below?

A. Parallelogram, quadrilateral, rhombus
B. Trapezoid, rectangle, quadrangle
C. Trapezoid, quadrilateral, quadrangle
D. Rhombus, quadrilateral, trapezoid

8. A square could be called each of the names below EXCEPT:
   a. Rhombus
   b. Trapezoid
   c. Parallelogram
   d. Rectangle

9. Which is the correct name for the shape shown below?
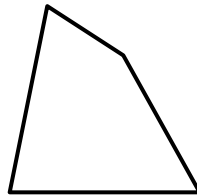
   a. Trapezoid
   b. Kite
   c. Quadrilateral
   d. Triangle

10. Mary used a crayon to draw a shape on a piece of paper. The shape had 5 sides and 5 angles. Which shape could Mary have drawn?
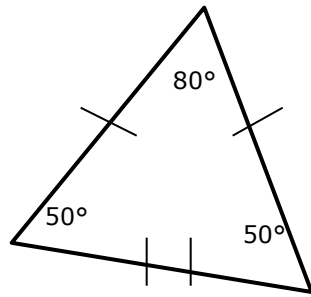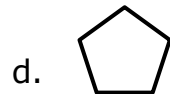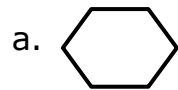
    a. Square

    b. Nonagon

    c. Decagon

    d. Pentagon

11. What kind of triangle is this?

80°

50°

50°

a. Right
b. Isosceles but not equilateral
c. Equilateral
d. Scalene

12. Which shape has the most vertices?

a.

b.

c.

d.

13. Solve: 77.1 ÷ 3 =

a. 29
b. 25.7
c. 32.6
d. 257

14. Solve: 95 / 4 =
- a. 380
- b. 23.75
- c. 25.68
- d. 21.23

15. Solve: 49.4 ÷ 2 =
- a. 2.47
- b. 27.2
- c. 24.7
- d. 272

16. What is 9.51 rounded to the nearest tenth?
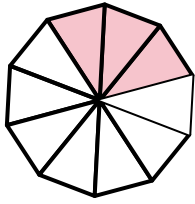- a. 9.61
- b. 9.5
- c. 9.51
- d. 9.6

17. What is 4.7 rounded to the nearest whole number?
- a. 3
- b. 5
- c. 1
- d. 4
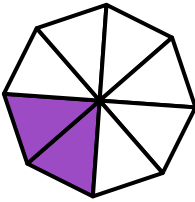
18. What is 6.0399 rounded to the nearest thousandth?
- a. 6.030
- b. 6.1
- c. 6.039
- d. 6.04

19. What fraction of the shape is shaded?

a. 3/10

b. 7/10

c. 3/7

d. 7/9

20. What fraction of the shape is NOT shaded?

a. 2/6

b. 2/8

c. 4/8

d. 6/8

21. What whole or mixed number is the fraction 24/7 equal to?

a. 4

b. 3 $3/7$

c. 3

d. 4 $1/7$

22. Add.

$6\frac{1}{3} + \frac{1}{2}$ = _____

A $6\frac{5}{6}$ B $6\frac{2}{5}$ C $7\frac{5}{6}$ D $6\frac{1}{6}$

23. Subtract.

$$\frac{4}{6}$$
$$-\frac{1}{2}$$

A. ¾   B. 3/6   C. 1/6   D. 5/8

24. Add.

$$\frac{6}{9}$$
$$+\frac{1}{3}$$

A. 7/12   B. 1   C. 3/9   D. 2

25. ✏ **Use pencil and paper to answer the question.**

The array shows 16 partitioned into 4 equal parts.

$\frac{1}{4}$ of the array is shaded.
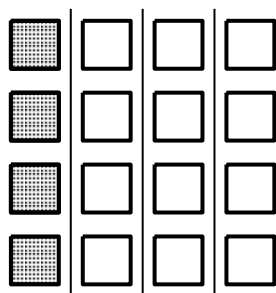
$\frac{1}{4} * 16 =$ _____

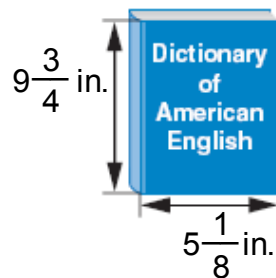A. 12   B. 64   C. 6   D. 4

26. ✏️ **Use pencil and paper to answer the question.**

Scott divided 15 marbles equally among 5 bags. How many marbles are in 3 of the bags?

_____ marbles

$\frac{3}{5} * 15 =$ _____

    A. 45 marbles   B. 3 marbles   C. 9 marbles   D. 27 marbles

27. The area of the cover of the dictionary is about _____ (unit).

$9\frac{3}{4}$ in.

Dictionary of American English

$5\frac{1}{8}$ in.

A $49\frac{31}{32}$ in.^{2} **B** $49\frac{31}{32}$ in.   **C** $45\frac{3}{32}$ in.^{2} **D** $45\frac{3}{32}$ in.

28. Solve.

If 6 counters are one whole, then what is $\frac{1}{2}$?

_____ counter(s)

    A. 3   B. 12   C. 2   D. 6

29. 60 stamps per package.

How many in $\frac{1}{3}$ of a package? _____ stamps

    A. 30 stamps   B. 20 stamps   C. 10 stamps   D. 40 stamps

30. If a set has 24 objects, how many objects are there in $\frac{5}{8}$ of the set?

_____ objects

    A. 3   B. 12   C. 9   D. 15

31. Fill in the missing number.

$(9 * 6) * 7 = 9 * (6 * \underline{\hspace{2cm}})$

    A. 7   B. 9   C. 6   D. 8

32. Solve.

$(8 + 6) * (5 - 3) = \underline{\hspace{2cm}}$
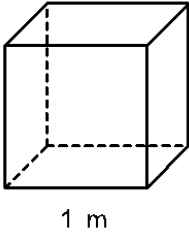
    A. 16   B. 28   C. 67   D. 33

33. Solve.

$\big((5 + 5) * (5 - 4)\big) / 2 = \underline{\hspace{2cm}}$
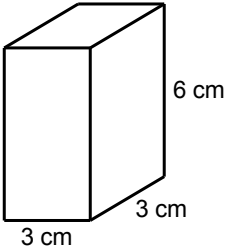
    A. 5   B. 17   C. 45   D. 10
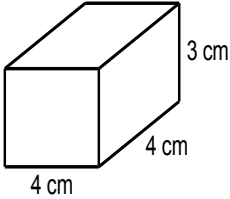
34. What is the volume of this cube?

1 m

A 1 cubic m

B 1 square m

C 3 m

D 1 m

35. Which rectangular prism has the greatest volume?

A

6 cm

3 cm

3 cm

C.

3 cm

4 cm

4 cm

B

2 cm

5 cm

5 cm
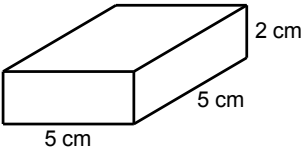
36. What is the volume of the following prism:

3 cm

4 cm

4 cm
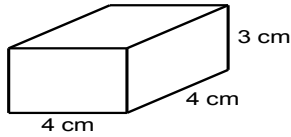
A. 11 cm^3 C. 48 cm^3

B. 24 cm^3 D. 16 cm^3

Use the grid below to answer questions 37 – 39:
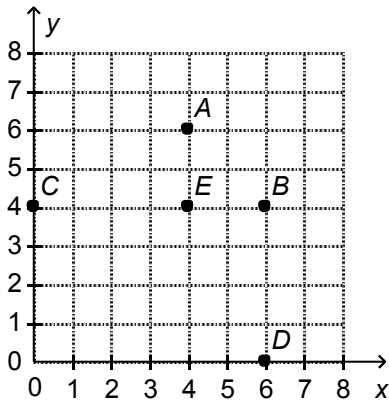
37. What are the coordinates of point A?

A. (6, 4)   C. (4, 4)
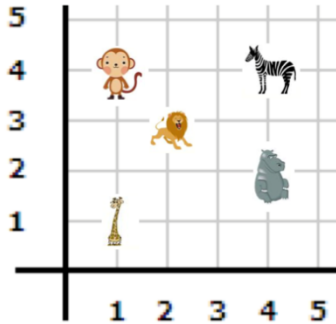
B. (6, 5)   D. (4, 6)

38. The coordinates (6, 0) match which point?

A. D   C. E

B. A   D. C

39. Which of the following coordinates does NOT fit one of the points on the grid?

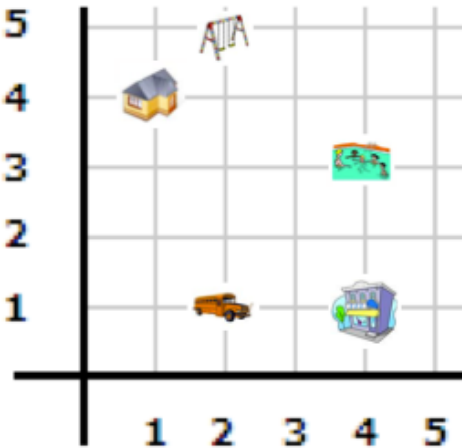A. (4, 4)   C. (4, 5)

B. (0, 4)   D. (6, 4)

40. The zoo makes a grid of where the animals live so that the food services can deliver the correct meals.

What are the coordinates of the lion?

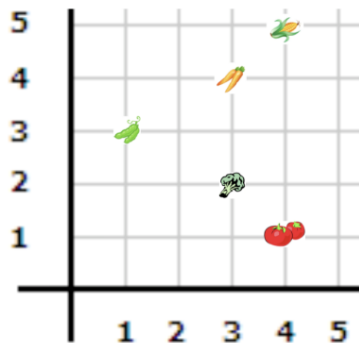   A. (4, 1)
    B. (2, 3)
    C. (3, 2)
    D. (4, 2)

41. The city developer is planning a neighborhood. She is using the grid system to help her with her planning.

What is the location of the house?

    A. (1, 4)   C. (4, 3)
    B. (2, 5)   D. (4. 1)

42. Farmer McIntosh is planning his garden. Help him locate where he is going to plant the corn.

A. (4, 1)   C. (2, 3)

B. (3, 2)   D. (4, 5)

43. Convert: **87 inches** = __?__ **feet** __?__ **inches**

Conversion Chart
1 foot = 12 inches

a. 2 feet 15 inches
b. 3 feet 3 inches
c. 7 feet 3 inches
d. 9 feet 2 inches

44. Lisa bought **9 pounds** of birdseed. What is the weight in **ounces**?

Conversion Chart
1 pound = 16 ounces

a. 256 ounces
b. 144 ounces
c. 84 ounces
d. 72 ounces

45. Convert: **12 gallons** = ___?___ **quarts**

Conversion Chart
1 gallon = 4 quarts

    a. 3 quarts
    b. 12 quarts
    c. 36 quarts
    d. 48 quarts

46. What is 3,000 X 50?
    A. 150,000
    B. 80,000
    C. 15,000
    D. 3,050

47. What is 2.5 X 100?
    A. 2,500
    B. 250
    C. 25
    D. 25,000

48. What is 2,000/500?
    A. 40
    B. 1,000
    C. 4
    D. 1,000,000