5th Grade Common Core Test

Directions: Select the letter of the best possible answer to each question. Write your answer on the answer sheet. **Do Not Write On This Test!**

1) Which equation has the parentheses in the correct location to make the statement true?

A. 7 + 4 x (4 – 1) = 19

B. (7 + 4) x 4 – 1 = 19

C. 7 + (4 x 4) – 1 = 19

D. (7 + 4 x 4) – 1 = 19

2) Which equation represents “add 39 and a number and then multiply by 3”?

A. (39 + 3)(x +3)

B. (39 + x)3

C. (39 + 3)x

D. (39 – x)3

3) Using the graph to the right, what number is missing from the Input-Output table?

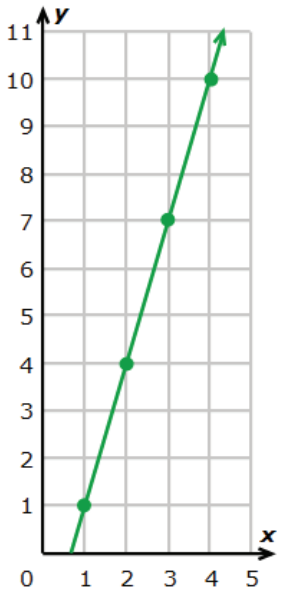
A. 2

B. 3

C. 4

D. 5

In	Out
1	1
2	
3	7
4	10



4) In the number 432.901, what digit is in the tens place?

A. 4 B. 3 C. 2 D. 9

5) 15 x _____ = 150,000

A. 10 B. 100 C. 1,000 D. 10,000

6) Which decimal represents four hundredths?

A. 0.4 B. 0.40 C. 0.04 D. 400.0

7) Which of the following orders the decimals from least to greatest?

A. 0.45, 0.48, 0.09, 0.78

B. 0.53, 0.85, 0.03, 0.88

C. 0.89, 0.88, 0.54, 0.32

D. 0.04, 0.44, 0.57, 0.85

8) What is 7.93 rounded to the nearest tenth?

A. 7.9 B. 8 C. 7.95 D. 10

9) A sporting goods store packs 35 soccer balls in each box. How many soccer balls would be in 13 boxes?

A. 555 balls B. 455 balls C. 450 balls D. 445 balls

10) Thirty-six people are wanting to ride the elevator to the top of a building. The elevator holds 10 people at a time. How many trips will the elevator need to take to the top of the building?

A. 3 B. 4 C. 5 D. 6

11) 0.5n = 0.35

What is n?

A. 7 B. 5 C. 0.7 D. 0.5

12) What number is the missing numerator? $\frac{\square}{16} + \frac{1}{16} = \frac{1}{2}$

A. 8 B. 16 C. 0 D. 7

13) Of the pizzas sold at Pizza Hut this week, $\frac{3}{5}$ of the pizzas were pepperoni and $\frac{2}{10}$ of the pizzas were cheese. What fraction of the pizzas sold by Pizza Hut were pepperoni or cheese?

A. $\frac{4}{5}$ B. $\frac{4}{10}$ C. $\frac{2}{5}$ D. $\frac{2}{10}$

14) What fraction of the set below are vowels?

A B C D E F G

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

15) $\frac{3}{4} \times 4 = \square$

A. $\frac{12}{16}$ B. $\frac{12}{4}$ C. $\frac{1}{4}$ D. $\frac{7}{4}$

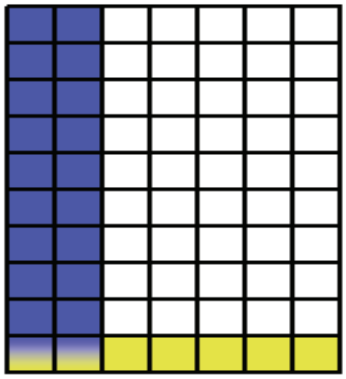
16) A playing card has an area of 48 square centimeters. The length of the card is 8 centimeters. What is the width of the playing card?

A. 8 cm B. 40 cm C. 6 cm D. 56 cm

17) A pizza feeds 6 people. About how many pizzas can feed 177 people?

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

18) Use the model to complete the multiplication sentence.



$$\frac{1}{10} \times \frac{2}{\square} = \frac{2}{70}$$

What number belongs in the box?

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

19) A factory makes sheets of metal that are $3\frac{1}{3}$ inches thick. If 3 sheets of metal are stacked, what would the height of the stack be?

A. $9\frac{1}{3}$ in. B. $10\frac{1}{3}$ in C. $9\frac{2}{3}$ in. D. 10 in.

20) $\frac{1}{3} \div 2 = \square$

A. $\frac{2}{3}$ B. $\frac{1}{6}$ C. $\frac{6}{6}$ D. $\frac{2}{6}$

21) $2 \div \frac{1}{2} =$ ____

A. 1 B. 2 C. 3 D. 4

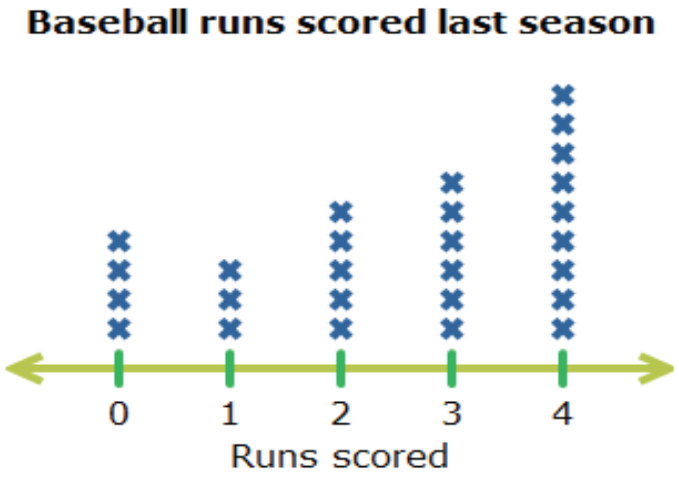
22) Jack had $\frac{3}{4}$ of an apple pie left. He gave it equally to 6 of his friends. What fraction of the pie did each friend get?

A. $\frac{2}{8}$ B. $\frac{3}{12}$ C. $\frac{2}{6}$ D. $\frac{1}{8}$

23) How many feet are in 5 yards?

A. 15 feet B. 20 feet C. 25 feet D. 30 feet

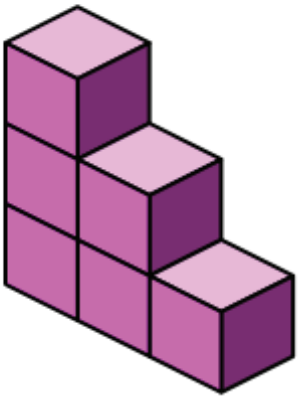
24) Look at this line plot:



How many players scored no runs last season?

A. 3 B. 4 C. 5 D. 6

25) What is the volume of this object?



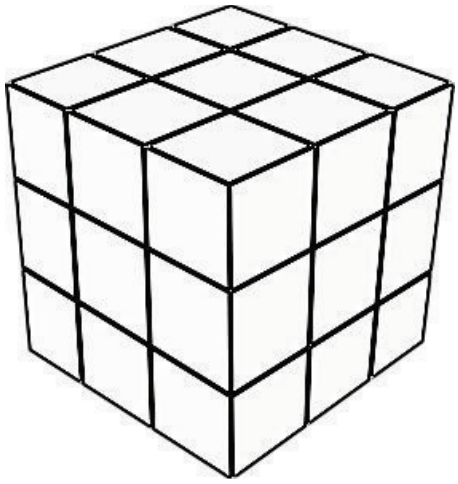
A. 3 cubic units

B. 4 cubic units

C. 5 cubic units

D. 6 cubic units

26) What is the volume of this figure?



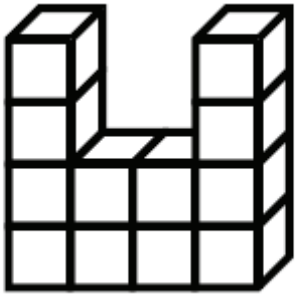
A. 19 cubic units

B. 21 cubic units

C. 27 cubic units

D. 30 cubic units

27) What is the volume of this figure?



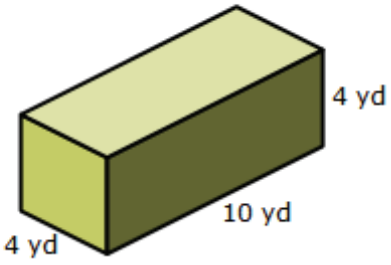
A. 8 cubic units

B. 12 cubic units

C. 18 cubic units

D. 20 cubic units

28) What is the volume?



A. 18 cubic yards

B. 44 cubic yards

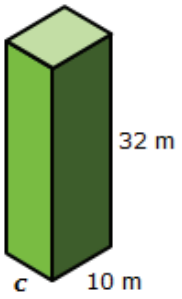
C. 160 cubic yards

D. 320 cubic yards

29) What is the length of *c* if the volume is 1,920 m^3?

A. 5 m B. 6 m

C. 7 m D. 8 m



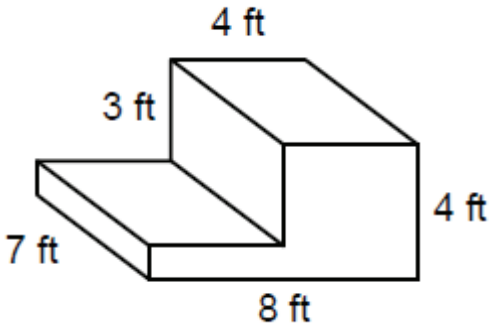
30) Find the volume of this figure.

A. 30 ft^3

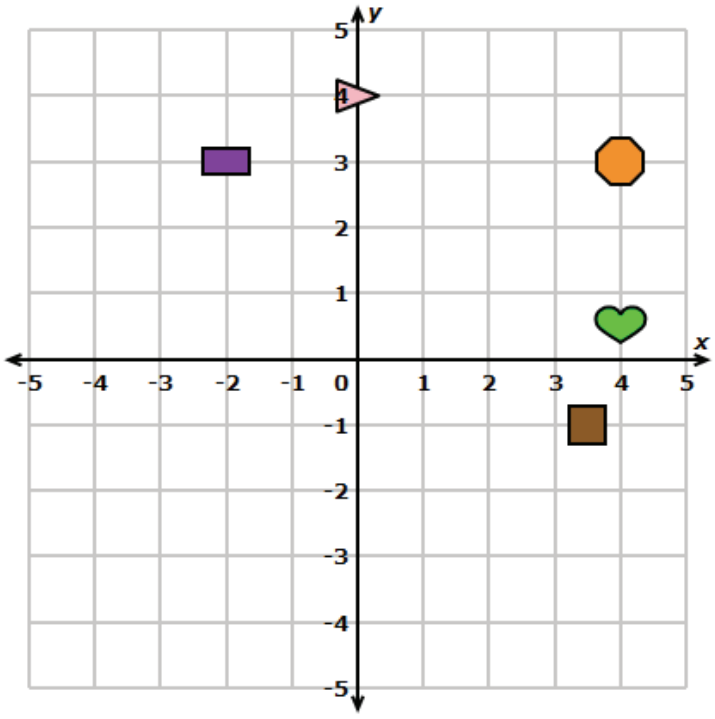
B. 112 ft^3

C. 140 ft^3

D. 2,688 ft^3



31) Using the coordinate plane, what is the ordered pair for the rectangle?



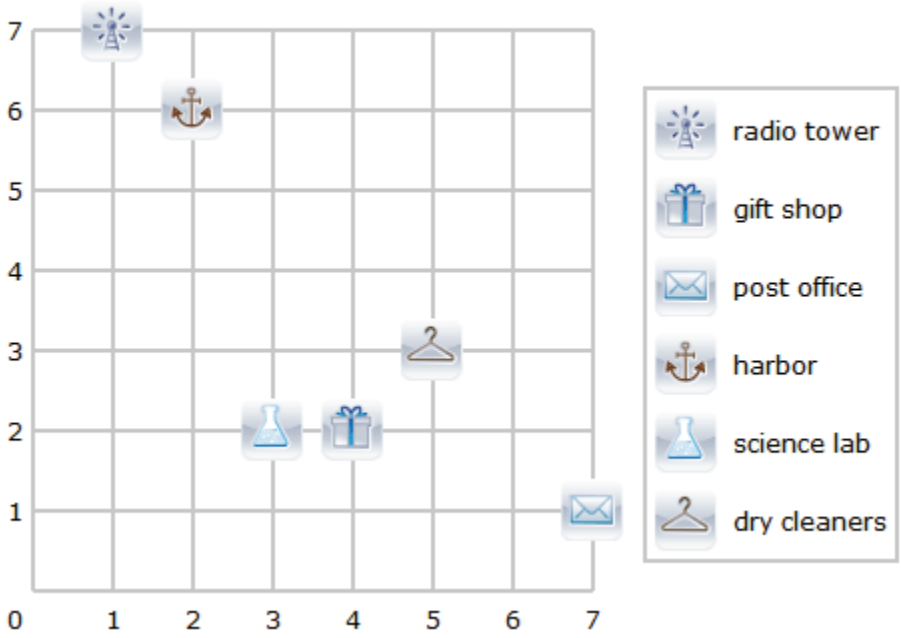
A. (0,4)

B. (-2,3)

C. (3, -2)

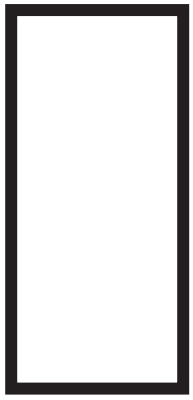
D. (2,3)

32) Where is the radio tower?



A. (1, 7) B. (7,1) C. (2,6) D. (6,2)

33) Which words describe the shape?



A. quadrilateral, square, parallelogram

B. quadrilateral, rectangle

C. quadrilateral, rectangle, parallelogram

D. quadrilateral, rhombus

34) Ethan drew a figure that had 5 angles. What figure did he draw?

A. triangle B. quadrilateral C. pentagon D. hexagon