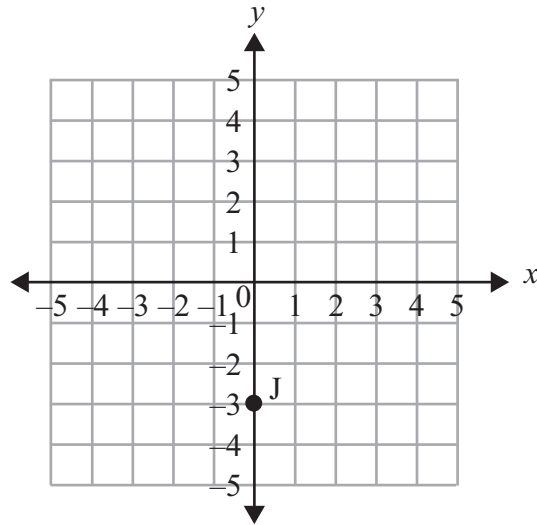


Nebraska State Accountability

**Grade 7
Mathematics
Practice Test**

Name:

1. Use the coordinate grid below to answer the question.



What are the coordinates of point J?

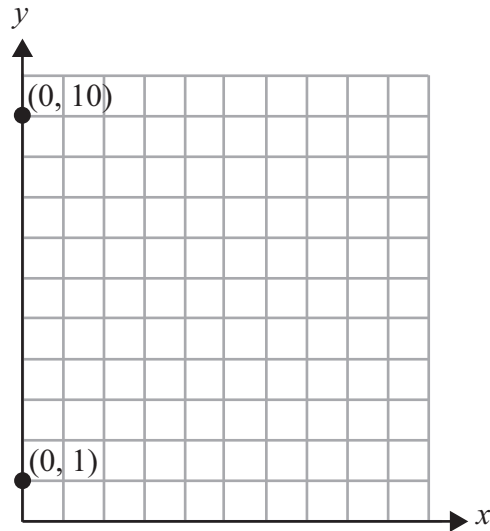
- A. (0, 3)
 - B. (-3, 0)
 - C. (3, 0)
 - D. (0, -3)
2. John eats $\frac{3}{5}$ of a candy bar. What percent of the candy bar does he eat?
- A. 6%
 - B. 30%
 - C. 35%
 - D. 60%

MATHEMATICS PRACTICE TEST

3. A small submarine started its dive at sea level and descended 30 feet per minute. Which integer represents the submarine's depth after seven minutes?

- A. -210 feet
- B. -23 feet
- C. 37 feet
- D. 210 feet

4. Use the coordinate grid below to answer the question.



What is the distance between the points at (0, 1) and (0, 10)?

- A. 8 units
- B. 9 units
- C. 10 units
- D. 11 units

5. Use the table below to answer the question.

Calorie Table

Food	Calories
Cheddar cheese, 1 ounce	114
Orange, 1 medium	70
Egg, 1 large	75
Strawberries, 1 serving	45
Pecans, 1/4 cup	185

Which expression represents the number of calories in r oranges and $\frac{1}{4}$ cup of pecans?

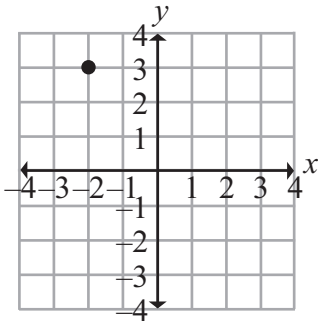
- A. $70 + 185$
 B. $75r + 185$
 C. $70r + 185$
 D. $75 + 185$
6. Which represents the value of s in $s + 12 \geq 100$?
- A. $s > 88$
 B. $s < 88$
 C. $s \geq 88$
 D. $s \leq 88$
7. What is 6.43×10^7 in standard notation?
- A. 643×10^5
 B. 64,300,000
 C. 6,430,000,000
 D. 64.3×10^{10}

MATHEMATICS PRACTICE TEST

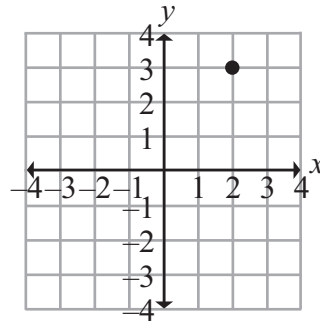
8. Pat has his own lawn mowing service. The maximum Pat charges to mow a lawn is \$20. Which inequality represents the amount Pat could charge, c , to mow a lawn?
- A. $c > 20$
 - B. $c \geq 20$
 - C. $c = 20$
 - D. $c \leq 20$
9. The attendance at three concerts was 876, 647, and 856. Which expression shows how to estimate the total attendance at the concerts?
- A. $800 + 600 + 800$
 - B. $900 + 700 + 900$
 - C. $900 + 600 + 900$
 - D. $1,000 + 700 + 900$

10. Which graph shows the ordered pair $(-2, 3)$ plotted correctly?

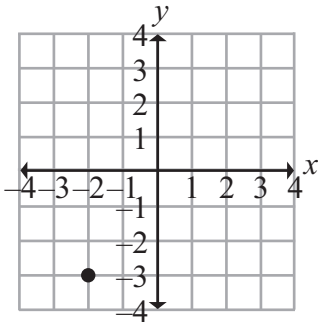
A.



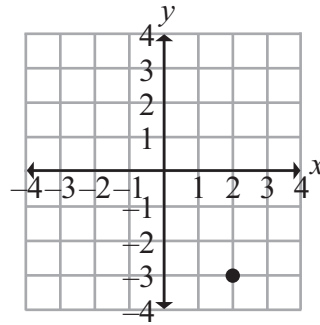
B.



C.



D.



11. What is 35% of 80?

- A. 28
- B. 45
- C. 115
- D. 2,800

MATHEMATICS PRACTICE TEST

12. Use the set of numbers below to answer the question.

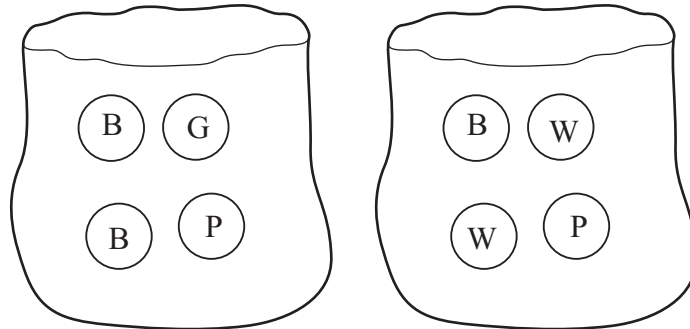
35	20	30	25	20
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What is the median of the list of numbers?

- A. 30
 - B. 20
 - C. 25
 - D. 26
13. Which rational number is the greatest?
- A. 0.55
 - B. 0.6
 - C. $\frac{9}{20}$
 - D. $\frac{1}{2}$
14. Mikel walks down 5 flights of stairs. Each flight has 8 steps. Which describes Mikel's descent?
- A. $-5 + 8 = 3$
 - B. $(-5) + (-8) = -13$
 - C. $(-5)(-8) = 40$
 - D. $(-5)(8) = -40$

15. Use the picture below to answer the question.

Bags of Marbles



Bag A

Bag B

B = blue marble
G = green marble

W = white marble
P = purple marble

One marble is drawn at random from each bag. What is the probability that neither marble is blue?

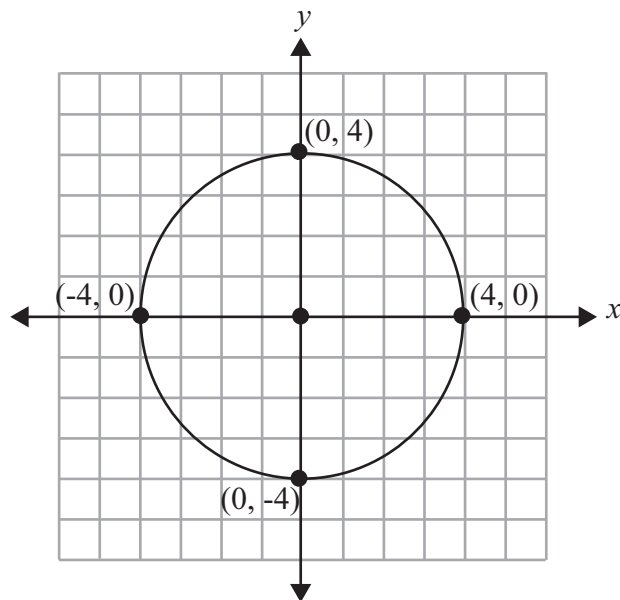
- A. $\frac{1}{16}$
- B. $\frac{3}{8}$
- C. $\frac{1}{2}$
- D. $\frac{3}{4}$

MATHEMATICS PRACTICE TEST

16. Middle-school students sold cookies in packages of 12. On the first day, they sold x packages. On the second day, they sold twice as many packages as on the first day. Which expression shows the number of cookies they sold on the second day?

- A. $12(2x)$
- B. $12(x + 2)$
- C. $12(x - 2)$
- D. $\frac{12x}{2}$

17. Use the coordinate grid below to answer the question.



What is the circumference of the circle?

- A. 12.56 units
- B. 25.12 units
- C. 50.24 units
- D. 251.2 units

18. Use the chart below to answer the question.

Spinner Experiment

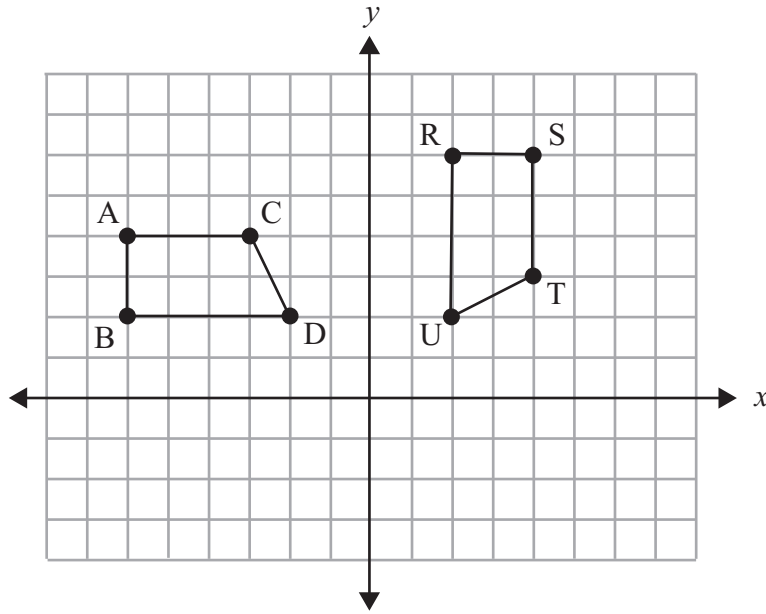
Color	Tally	Frequency
red		27
green		20
blue		28
orange		25

Students are given a colored spinner divided equally between red, green, blue, and orange sections. Students spin the spinner 100 times and collect the data in a chart. Which statement reflects the relationship between the experimental and theoretical probability of the spinner landing on green?

- A. There is not enough information to calculate experimental probability.
 - B. The experimental probability is greater than theoretical probability.
 - C. The experimental probability and theoretical probability are equal.
 - D. The theoretical probability is greater than the experimental probability.
19. Carmen has saved \$24 to buy a DVD player that costs \$96. She plans on saving \$12 each week. The equation $12w + 24 = 96$ can be used to find the number of weeks, w , when she will have enough money to buy the DVD player. How many weeks before Carmen has enough for the DVD player?
- A. 6 weeks
 - B. 8 weeks
 - C. 10 weeks
 - D. 12 weeks

MATHEMATICS PRACTICE TEST

20. Use the coordinate grid below to answer the question.



What transformation of trapezoid ACDB will create trapezoid STUR?

- A. dilation
- B. rotation
- C. reflection
- D. translation

21. Use the table below to answer the question.

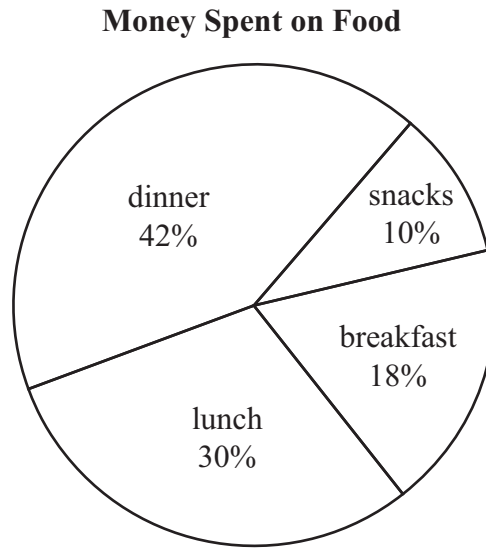
Median House Prices (1970 - 2000)

Year	Median House Price
1970	\$23,400
1975	\$39,300
1980	\$64,600
1985	\$84,300
1990	\$122,900
1995	\$133,900
2000	\$169,000

Which describes the trend of the data in the table?

- A. always decreasing
 - B. decreasing followed by increasing
 - C. always increasing
 - D. increasing followed by decreasing
22. The temperature is 8° F. As a cold front moves in, the temperature drops 6° F per hour. What is the temperature at the end of 3 hours?
- A. -26° F
 - B. -10° F
 - C. 5° F
 - D. 26° F

23. Use the graph below to answer the question.



A shopper spent \$100 at the store. How many dollars did the shopper spend on snacks?

- A. \$10
- B. \$18
- C. \$30
- D. \$42

24. What is the value of the expression $8x - 10$ when $x = 5$?

- A. 3
- B. 4
- C. 30
- D. 50

Grade 7 Practice Test

Answer Key

Number	Key
1	D
2	D
3	A
4	B
5	C
6	C
7	B
8	D
9	C
10	A
11	A
12	C
13	B
14	D
15	B
16	A
17	B
18	D
19	A
20	B
21	C
22	B
23	A
24	C