

6th Grade Math End of the Year Review

DIRECTIONS: Solve each problem below. Show all your work to each question on a separate sheet of paper. You have learned each of these concepts, think hard and do YOUR BEST!

When you have completed each question – go to our class website and SUBMIT your answers online. Whatever you DO NOT finish is HOMEWORK!

1. Which fraction is another name for .02?

- A. $\frac{1}{2}$ B. $\frac{2}{10}$ C. $\frac{1}{200}$ D. $\frac{2}{100}$

2. Which number is the lowest?

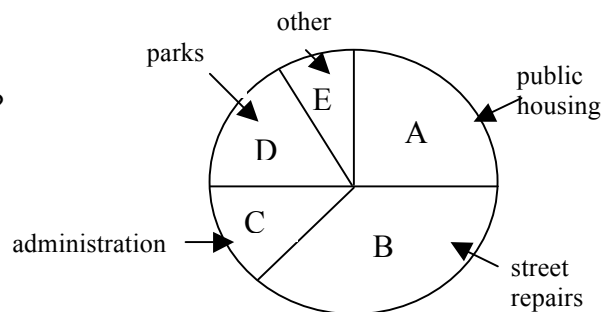
- A. -23
B. -33
C. -43
D. -13

3. Which set is in the correct order, lowest to greatest?

- A. 2.184, 2.38, 2.4, 21.1
B. 58, 8.5, 8, 5.8
C. $3\frac{1}{8}, 3\frac{3}{8}, 3\frac{1}{3}, 33$
D. $6\frac{5}{6}, \frac{1}{6}, 6\frac{1}{6}$

4. Which item on the circle graph represents about 25%?

- A. Public housing
B. Street repairs
C. Administration
D. Parks



5. What is the Greatest Common Factor (GCF) of 32 and 48?

- A. 96
B. 16
C. 8
D. 2

6. Which of these numbers is the least common denominator of $\frac{3}{4}$, $\frac{1}{6}$, & $\frac{7}{8}$?

- A. 8
- B. 12
- C. 18
- D. 24

7. Use estimation to find the approximate value of the following expression.

$$3.847 + 62.1 + 604 + 89.7$$

- A. 76
 - B. 760
 - C. 759.647
 - D. 700
8. Sarah bought four bottles of sparkling water for \$.89 each and gave the clerk a \$5.00 bill. How much change should she get back?

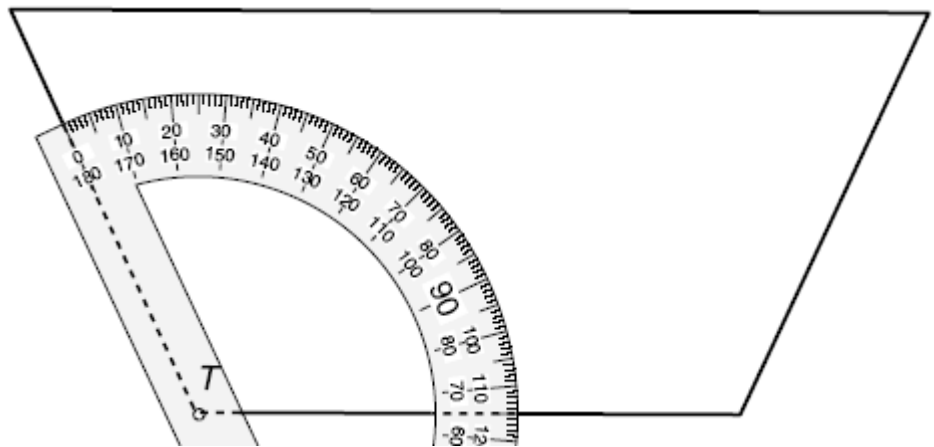
- A. \$8.56
- B. \$1.44
- C. \$3.56
- D. \$2.56

9. A race started at exactly 3:26 PM and ended at 4:48 PM. What was the elapsed time?

- A. 1 hour 32 minutes
- B. 2 hours 12 minutes
- C. 1 hour 24 minutes
- D. 1 hour 22 minutes

10. Find the measure of $\angle T$ to the nearest degree.

- A) 65°
- B) 75°
- C) 115°
- D) 125°



11. Use the ruler to measure the line segment to the nearest $\frac{1}{16}$ inch.

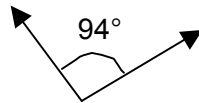


- A. $3\frac{1}{16}$ in. B. $3\frac{1}{2}$ in. C. $3\frac{5}{8}$ in. D. $4\frac{15}{16}$ in.

12. What is the perimeter of a regular hexagon, with each side measuring 3 centimeters.

- A. 12 cm
B. 18 cm
C. 15 cm
D. 18 mm

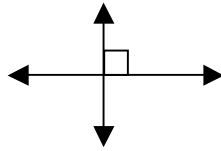
13. The angle measures 94° .



What kind of angle is it?

- A. Right
B. Straight
C. Acute
D. Obtuse

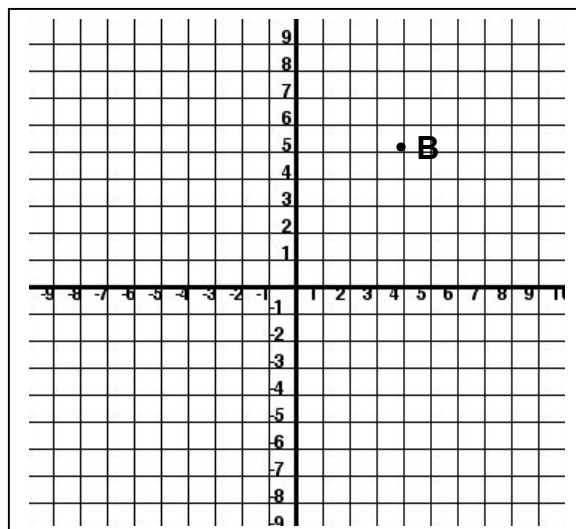
18. Which statement accurately describes the relationship between the lines shown below?



- A. The lines are parallel to each other
B. The lines intersect but are not perpendicular
C. The lines are perpendicular
D. The lines intersect and are parallel

19. Which ordered pair gives the location of point B?

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



20. What number follows the given pattern?

- A. 12
- B. 10
- C. 8
- D. 5

X	Y
2	4
3	6
4	8
5	?

21. What rule describes this pattern?

- A. Add 1
- B. Add 7
- C. Multiply by 4
- D. Add 4

Input	Output
7	11
8	12
9	13

22. N stands for the number of stamps John had. He gave 12 stamps to his sister. Which expression tells how many stamps John has now?

- A. $N + 12$
- B. $N - 12$
- C. $12 - N$
- D. $12 \times N$

23. Solve the equation.

- A. $a = 6$
- B. $a = 21$
- C. $a = 17$
- D. $a = 24$

$$a - 9 = 15$$

24. Which algebraic expression matches the given word expression?

- A. $r \div 7$
- B. $7 - r$
- C. $r - 7$
- D. $7 + r$

seven less than a number r

25. Which word expression matches the given algebraic expression, $3 \cdot k$?

- A. the sum of three and a number k
- B. the product of 3 and a number k
- C. three plus a number k
- D. three divided by a number k

26. A radio station will announce the winner of a contest when 3,200 callers have phoned the station. At 3:00 p.m. 400 callers were counted. At 4:00 p.m. 650 calls had been recorded. By 5:00 p.m. 950 calls had come into the station, and by 6:00 p.m. 1,300 calls had been counted. If the pattern continues, when will the radio station announce a winner?

- A) 8:00 p.m. B) 9:00 p.m. C) 10:00 p.m. D) 11:00 p.m.

27. Michael plays basketball for the school team. The table below shows the number of points he scored in each of the first five games.

Game #	1	2	3	4	5
Points:	12	15	7	12	9

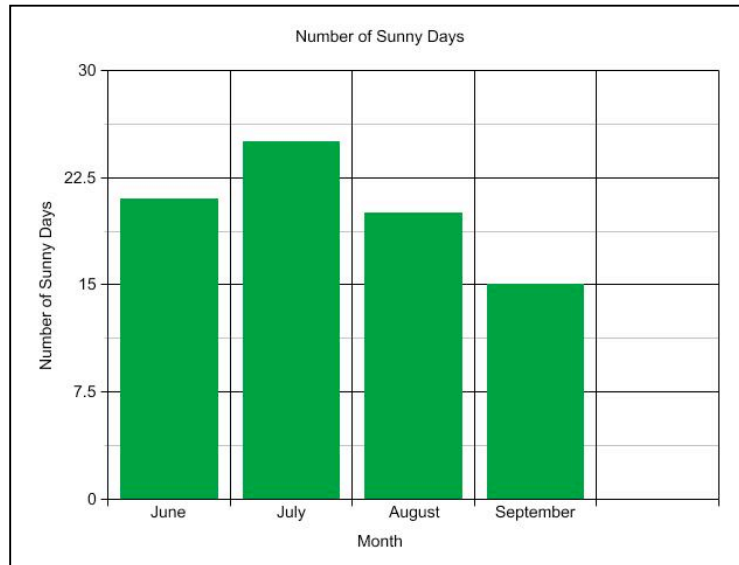
What was Michael's average (mean) number of points scored in the first 5 games?

- A. 6 points
- B. 7 points
- C. 11 Points
- D. 12 points

28. Using the same table from question # 27, what was Michael's median score?

- A. 6 points
- B. 7 points
- C. 11 points
- D. 12 points

29. Use the bar graph to answer the question.



Which month had the most sunny days?

- A. June
- B. July
- C. August
- D. September

31. A sixth grade club is selling sandwiches. They are selling ham, turkey, or salami, on white bread, wheat bread, or rye bread, with or without cheese. What is the number of possible sandwich combinations they are selling?

- A) 6 sandwiches
- B) 9 sandwiches
- C) 12 sandwiches
- D) 18 sandwiches

Short Answer

YOU WILL NOT SUBMIT THIS ONLINE...

32. A pair of sneakers has a price tag of \$80. Justin found some coupons that would give him a discount.

One coupon says

Snappy Sneakers 20% off

Another coupon says

$\frac{1}{4}$ off Snappy Sneakers

With which coupon would Justin get the best price?

- A. How much would he **save** with each coupon? Show your work.

- B. What would be the final price for the shoes using the best coupon? Explain