

Student: W N S E O G P R A C

Class: _____

Date: _____

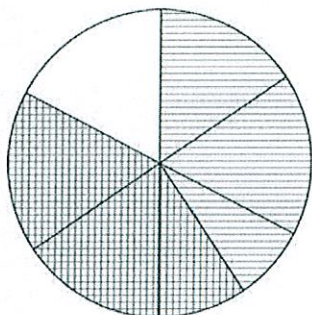
1. Julie has $3\frac{1}{3}$ yards of fabric to make doll outfits. Each outfit requires $\frac{5}{6}$ yard of fabric. What is the maximum number of outfits Julie can make with her fabric?

A. 3
☒ B. 4
 C. 5
 D. 6

$$3\frac{1}{3} \div \frac{5}{6} \rightarrow \frac{10}{3} \times \frac{6}{5} = \frac{60}{15} = 4$$

K C F

2. The diagram below represents the solution to which expression?



A. $\frac{1}{6} + \frac{3}{4}$
☒ B. $\frac{5}{6} \div 2$
 C. $1 - \frac{1}{5}$
 D. $\frac{2}{3} \div \frac{1}{4}$

largest shaded section
 $\frac{5}{6} \div$

that section is then \div into 2 parts by added a separate pattern

3. A reporter earned \$29,400 in one year. If the reporter earns the same amount of money each month, what is the monthly amount earned?

A. \$565
 B. \$588
 C. \$2,030
☒ D. \$2,450

$$\begin{array}{r} 2,450 \\ 12 \overline{) 29,400} \\ \underline{24} \\ 54 \\ \underline{48} \\ 60 \\ \underline{60} \\ 0 \end{array}$$

4. $218 \div 5 =$
 A. 43.3
☒ B. 43.6
 C. 45.2
 D. 45.4

$$\begin{array}{r} 43.6 \\ 5 \overline{) 218.0} \\ \underline{20} \\ 18 \\ \underline{15} \\ 30 \\ \underline{30} \\ 0 \end{array}$$

5. A local theme park recorded that 97,991 people visited the park in August. There are 31 days in August. On average, how many people visited the park each day in August?

☒ A. 3,161
 B. 3,151
 C. 3,125

$$\begin{array}{r} 3161 \\ 31 \overline{) 97991} \\ \underline{93} \\ 49 \\ \underline{31} \\ 189 \\ \underline{186} \\ 31 \\ \underline{31} \\ 0 \end{array}$$

$$\frac{31}{155} \quad \frac{31}{186}$$

6. What is the value of the expression $8.225 - 7.91$?

☒ A. 0.315
 B. 1.715
 C. 7.434
 D. 8.574

$$\begin{array}{r} 8.225 \\ - 7.910 \\ \hline 0.315 \end{array}$$

7. Ashley bought a shirt for \$7.95, shorts for \$15.61, socks for \$1.11, and shoes for \$35.92. About how much did Ashley spend?

A. \$55
 B. \$58
☒ C. \$61
 D. \$63

$$\begin{array}{r} 28 \\ 1.6 \\ 1 \\ \hline 36 \\ \hline \$61 \end{array}$$

round each amount

$$\begin{array}{r} 24.9\overset{8}{0}\overset{10}0 \\ - 1.35 \\ \hline 23.55 \end{array}$$

8. What is the value of $24.9 - 1.35$?

- A. 0.114
- B. 0.2355
- C. 1.14
- ☒ D. 23.55

9. What is the greatest common divisor of 63 and 81?

- A. 3
- ☒ B. 9
- C. 21
- D. 567

$$\begin{array}{r} 9 \overline{) 6381} \\ \underline{72} \\ 9 \end{array}$$

10. Which expression is equivalent to $3(5 + 4)$?

- A. $3 + 4 + 5$
- B. $5 + 12$
- C. $15 + 4$
- ☒ D. $15 + 12$

Distribute
 $15 + 12$

11. In June, Matthew had debits of \$45 and \$75 from his savings account. He also had a credit of \$50 to his saving account. Which integer represents how much the balance of Matthew's savings account changed in June?

- ☒ A. -\$70
- B. +\$70
- C. +\$170

$$\begin{array}{r} -45 \\ -75 \\ \hline -120 \end{array} \quad \begin{array}{r} -120 \\ +50 \\ \hline -70 \end{array}$$

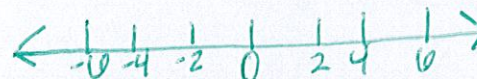
12. Shane's bank account had a balance of \$40. Shane then had two debits of \$13 each and a credit of \$16. Which integer represents the amount of money in Shane's account after the debits and credit?

- A. -43
- B. -30
- ☒ C. +30
- D. +43

Debits *Credits*

$$\begin{array}{r} -26 \\ +16 \\ \hline -10 \end{array} \quad \begin{array}{r} -26 \\ +16 \\ \hline -10 \end{array} \quad \text{Debit}$$

$$\begin{array}{r} +40 \\ -10 \\ \hline 30 \end{array}$$



13. Which statement correctly describes the location of 6 and -6 in relation to zero on a number line?

- A. Six and negative six are both to the left of zero.
- B. Six and negative six are both to the right of zero.
- ☒ C. Six is to the right of zero, and negative six is to the left of zero.
- D. Six is to the left of zero, and negative six is to the right of zero.

14. What is the location of the opposite of $-(-18)$ on the number line?

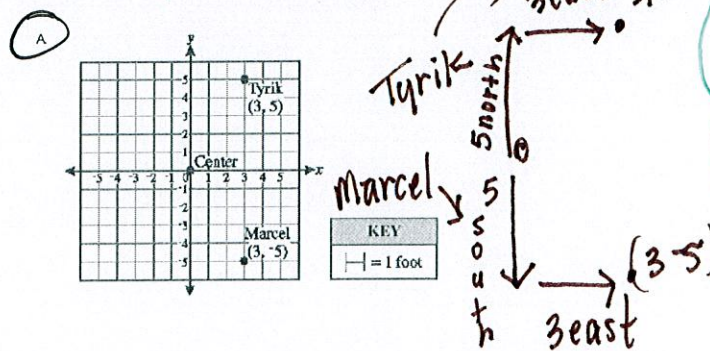
- A. 18 units to the right of zero
- ☒ B. 18 units to the left of zero
- C. $\frac{1}{18}$ unit to the right of zero
- D. $\frac{1}{18}$ unit to the left of zero

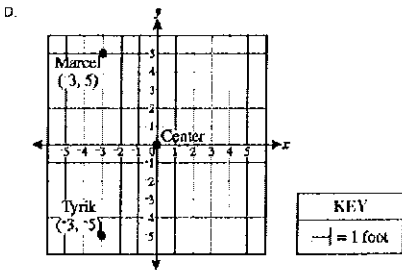
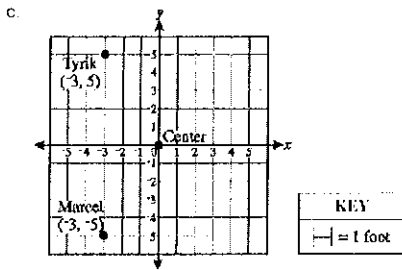
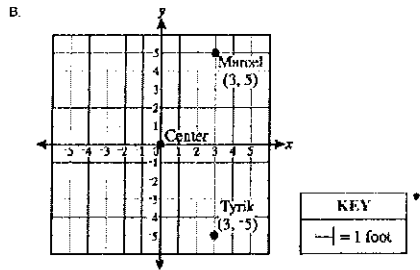
(a negative sign outside parentheses means opposite)
 $-(-18)$
opposite of -18 is +18
so the sentence reads: the location of the opposite of +18?
The opposite of 18 is -18 which is 18 units to the left of zero.

15. Tyrik and Marcel walked in different directions from the center of a soccer field:

- Tyrik walked 5 feet north and then 3 feet east.
- Marcel walked 5 feet south and then 3 feet east.

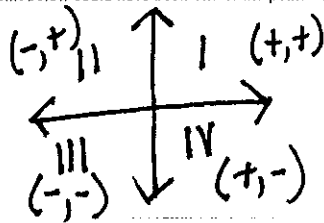
North is represented by the positive direction along the y-axis and east is represented by the positive direction along the x-axis. Which figure represents their locations on the field?



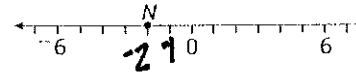


16. Tom had a homework assignment to graph only the coordinates that would lie in Quadrant III of the coordinate grid. Which point below could have been one of the points that Tom graphed?

- A. $(-3, -7)$
 B. $(-2, 5)$
 C. $(1, 6)$
 D. $(5, -13)$

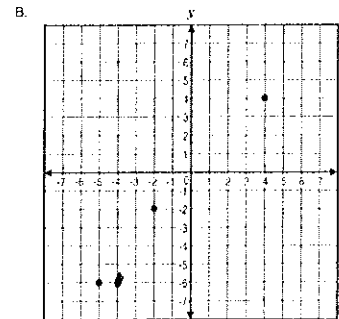
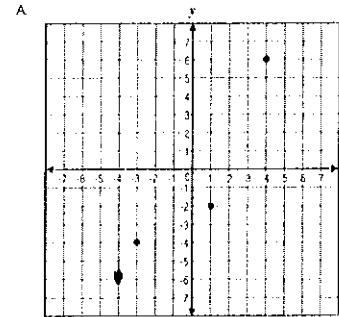


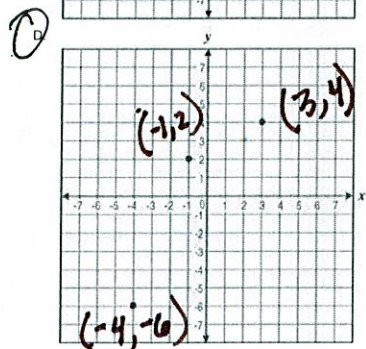
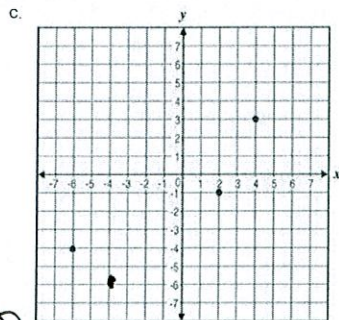
17. What is the value of N on the number line?



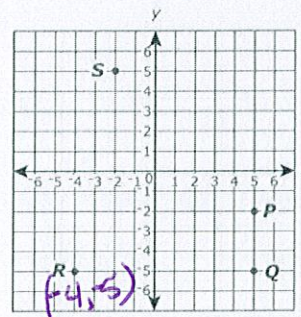
- A. -10
 B. -2
 C. 2
 D. 10

18. Which graph best represents the set of coordinates $\{(-4, -6), (-1, 2), (3, 4)\}$?





19. Use this coordinate plane to answer the question.



Which ordered pair gives the coordinates for point R?

- A. $(5, -2)$
- B. $(5, -5)$
- C. $(-2, 5)$
- ☒ D. $(-4, -5)$

20. Which two points have a horizontal distance of 6 units?

- ☒ A. $(1, 6)$ and $(7, 6) \rightarrow 7 - 1 = 6$
- B. $(2, 1)$ and $(2, 7) \rightarrow 7 - 1 = 6$
- C. $(3, 4)$ and $(8, 4) \rightarrow 8 - 3 = 5$
- D. $(6, 4)$ and $(6, 10) \rightarrow 10 - 4 = 6$

horizontal
vertical
horizontal
vertical

if two points share a "y" they lie on the same horizontal line.

if two points share a "x" they lie on the same vertical line.

if the points are in the same quadrant subtract the point they don't share to find the distance between them.