

Directions: Answer the following question(s).

- 1 Paul has a total of 7 crayons. Steven has 9 times as many crayons as Paul. How many crayons does Steven have?

A. 2
B. 16
C. 56
D. 63

- 2 Which of the following will make the number sentence true?

$$\frac{5}{8} \quad \boxed{} \quad \frac{5}{6}$$

A. <
B. >
C. =
D. cannot compare

- 3 Round 6789 to the nearest hundred. Enter your answer in the response box.

4

- 5 Enter the unknown number that makes the equation true.

$$72 \times 48 = (70 + 2) \times (40 + \boxed{})$$

6

- 7 Look at the pattern shown in the box:



Which symbol is missing?

- A. 
B. 
C. 
D. 

- 8 A number pattern is created by adding 7. To make this pattern, start with the number 13 and add 7.

Enter the second, third, and fourth numbers to complete the table.

Term	Number
First	13
Second	
Third	
Fourth	

- 9 Isaac is making a pattern. He starts with the number 3 and keeps multiplying by 3.

Term 1	Term 2	Term 3
3	9	27

Soon, he notices a pattern in the *ones* place of the terms. The 11th term in Isaac's pattern is the number 177,147.

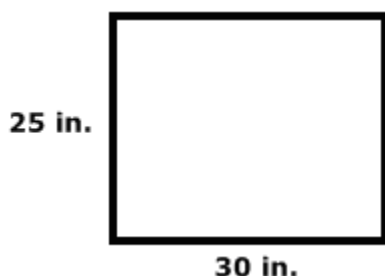
What digit will be in the *ones* place of the 12th term in Isaac's pattern?

Term 11	Term 12
177,147	

The 12th term has a in the *ones* place.

Directions: Answer the following question(s).

- 10 Carmen has a rectangular piece of poster paper. The dimensions of the paper are shown in the illustration below.



What is the area of the paper?

- A. 55 in^2
- B. 110 in^2
- C. 750 in^2
- D. $1,500 \text{ in}^2$

11

- 12 Crystal and Mariah both solved the same problem using different methods.

Crystal

$$\begin{array}{r} 35 \\ \times 26 \\ \hline 210 \\ 140 \\ \hline 910 \end{array}$$

Mariah

	30	5
20	600	10
6	180	30

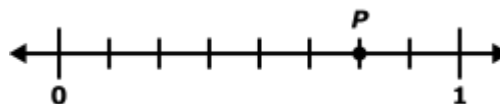
$$\begin{array}{r} 600 \\ 180 \\ 10 \\ + 30 \\ \hline 820 \end{array}$$

Who solved the problem incorrectly, and where was the first mistake made?

- A. Crystal because 30 times 20 should be 60.
- B. Mariah did because 20 times 5 should be 100.
- C. Mariah did because only two numbers should be added together.
- D. Crystal because she added incorrectly.

13

- 14 Use this number line to answer the question that follows.



Choose ALL of the points that are equal to point p .

- A.
- B.
- C.
- D.

- 15 Choose the statement that explains how the values of the numbers 2700 and 270 are different.

- A. 2700 is 1 time as large as 270
- B. 2700 is 10 times as large as 270
- C. 2700 is 100 times as large as 270
- D. 2700 is 1000 times as large as 270

- 16 Which number is a factor of both 21 and 30?

- A. 3
- B. 4
- C. 7
- D. 10

Directions: Answer the following question(s).

- 17 Select the equation that has the same unknown number as $98 \div 4 = \square$.

A. $\square \div 98 = 4$
 B. $4 \times 98 = \square$
 C. $\square \div 4 = 98$
 D. $4 \times \square = 98$

- 18 Which expression is equal to 53×18 ?

A. $(50 \times 3) \times (10 \times 8)$
 B. $(50 \times 10) + (3 \times 8)$
 C. $(50 + 3) \times (10 + 8)$
 D. $(50 + 10) \times (50 + 8) \times (10 + 3) \times (10 + 8)$

- 19 Sheila is separating candy into bags. If there are 2304 pieces of candy and 9 pieces of candy will go into each bag, how many bags of candy can Sheila make?

A. 256
 B. 257
 C. 2295
 D. 20,736

- 20 How is 89,406 written in base-ten form?

A. 8 ten thousands + 9 thousands + 4 tens + 6 ones
 B. 8 ten thousands + 9 hundreds + 4 tens + 6 ones
 C. 8 ten thousands + 9 thousands + 4 hundreds + 6 ones
 D. 8 hundred thousands + 9 thousands + 4 hundreds + 6 ones

- 21 Bob's bakery baked 982 cookies for the week. They packaged them in bags with 6 cookies in each bag. How many bags of cookies did they package? Enter the answer in the first response box.

How many cookies were left over? Enter the answer in the second response box.

- 22 Which of the following numbers is a multiple of both 5 and 15?

A. 5
 B. 20
 C. 25
 D. 30

- 23 Find the sum.

$$\frac{4}{8} + \frac{1}{8} =$$

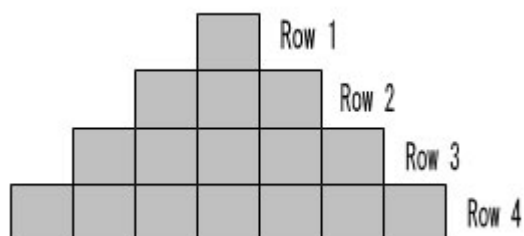
A. $\frac{5}{16}$

B. $\frac{3}{8}$

C. $\frac{5}{8}$

D. $\frac{3}{0}$

- 24 If you continue this pattern, how many squares will there be in Row 8?



A. 11
 B. 14
 C. 15
 D. 17

- 25 Enter the product.

$$1473 \times 3 = \square$$

Directions: Answer the following question(s).

- 26 Enter the difference.

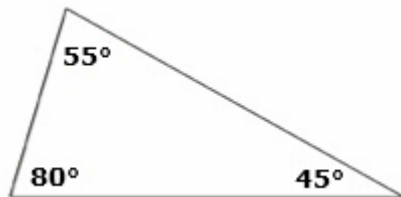
$$\begin{array}{r} 5600 \\ - 429 \\ \hline \end{array}$$

27

28

29

- 30 What type of triangle is this?

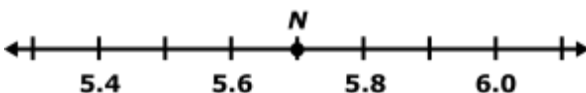


- A. acute
- B. obtuse
- C. right
- D. isosceles

- 31 Which list has *all* of the factor pairs of the number 40?

- A. 1×40 , 2×20 , 3×15 , 5×8
- B. 1×40 , 2×20 , 4×8 , 5×10
- C. 1×40 , 2×20 , 4×10 , 5×8
- D. 1×40 , 4×10 , 5×8 , 6×7

- 32 Enter the decimal value of the unknown number located at point *N*.



- 33 Enter a decimal equivalent to $\frac{13}{100}$.

- 34 $4 \times \frac{1}{5} =$

A. $\frac{1}{20}$

B. $\frac{4}{20}$

C. $\frac{4}{5}$

D. $4 \frac{1}{5}$

- 35 Which sign makes the following number sentence true?

$$\frac{3}{4} \quad \square \quad \frac{2}{5}$$

- A. $<$
- B. $>$
- C. $=$
- D. Cannot compare

Directions: Answer the following question(s).

36 $4\frac{2}{6} + 1\frac{3}{6} =$

A. $\frac{5}{6}$

B. $1\frac{2}{3}$

C. $5\frac{5}{12}$

D. $5\frac{5}{6}$

- 37 Timothy and Evan were stacking cups to see who could stack them the highest. Evan stacked 27 cups. Timothy stacked 4 times as many cups as Evan. How many cups did Timothy stack?

Enter your answer in the response box.

cups

- 38 Julie uses $\frac{2}{3}$ of a cup of flour when making a loaf of bread. How many cups of flour will Julie need to make 5 loaves of bread?

A. $5\frac{2}{3}$ cups

B. $\frac{10}{3}$ cups

C. $\frac{10}{15}$ of a cup

D. $\frac{2}{15}$ of a cup

39

- 40 Find the difference.

$$\frac{3}{5} - \frac{1}{5} =$$

A. $\frac{4}{0}$

B. $\frac{1}{5}$

C. $\frac{2}{5}$

D. $\frac{4}{5}$

- 41 Which equation below has a sum equal to $\frac{4}{6}$?

A. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} =$

B. $\frac{1}{6} + \frac{1}{6} + \frac{2}{6} =$

C. $\frac{2}{3} + \frac{2}{3} =$

D. $\frac{1}{3} + \frac{3}{3} =$

- 42 10 meters = _____ centimeters

A. 1

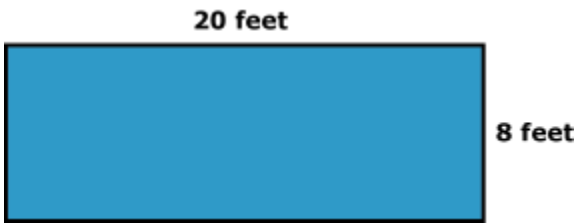
B. 100

C. 1000

D. 10,000

Directions: Answer the following question(s).

- 43 The length of Jack's rectangular swimming pool is 20 feet and the width is 8 feet. What is the perimeter of Jack's pool in feet?



- A. 320 feet
- B. 160 feet
- C. 56 feet
- D. 28 feet

- 44 Trevor bought 9 candy bars for \$0.45 each.

What was the total amount Trevor spent on the candy bars?

- A. \$3.65
- B. \$4.05
- C. \$4.45
- D. \$7.25

- 45 What is the quotient?

$$3756 \div 3 = \underline{\hspace{2cm}}$$

- A. 1252
- B. 1250 R2
- C. 1250
- D. 125

- 46 One minute equals 60 seconds. Which number is missing from the chart?

minutes	seconds
3	180
4	240
5	

- A. 245
- B. 300
- C. 420
- D. 480

47

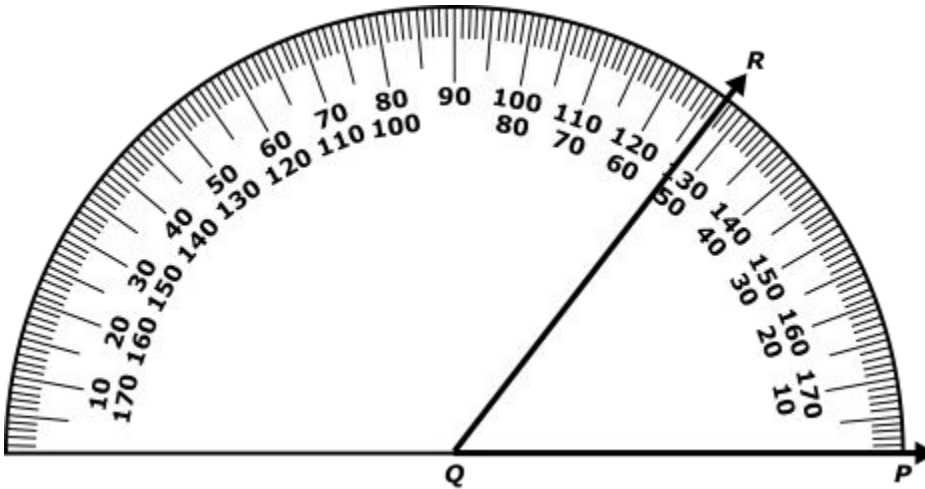
- 48 Enter the unknown numbers to complete the table of equal measurements.

Feet	Inches
2.5	
4	

49

Directions: Answer the following question(s).

- 50 Use the protractor shown to measure $\angle PQR$.

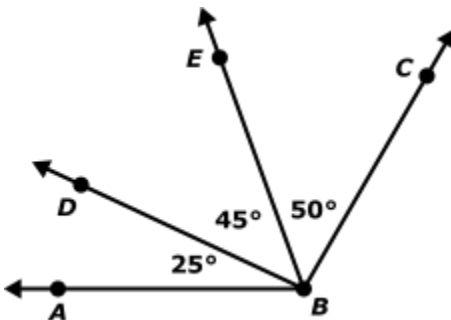


Enter the measure, in degrees, of $\angle PQR$.

- 51 Enter the sum.

$$\begin{array}{r} 1473 \\ + 6482 \\ \hline \end{array}$$

52



Enter the measure, in degrees, of $\angle ABC$.

Directions: Answer the following question(s).

- 53 Marlene drew a shape with the following properties:

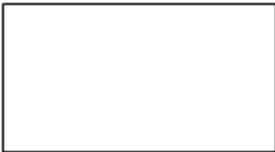
- perpendicular line segments
- 2 lines of symmetry
- parallel line segments

Which of the following shapes appears to meet the properties of Marlene's shape?

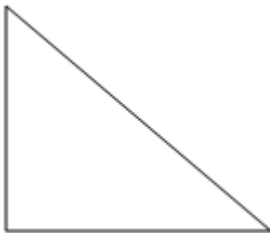
A.



B.



C.

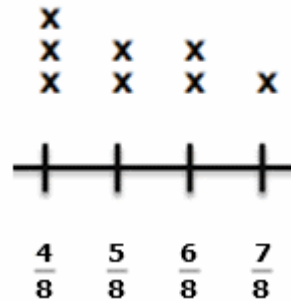


D.



- 54 Some students compared the distance from their home to school. Use the line plot below to answer the following question.

Distance From Home to School (in miles)



What is the difference between the greatest home to school distance and the least home to school distance?

- A. 2 miles
- B. $\frac{11}{8}$ miles
- C. $\frac{3}{8}$ of a mile
- D. $\frac{1}{8}$ of a mile

55