

GRADE Any Select

Day 2 No School

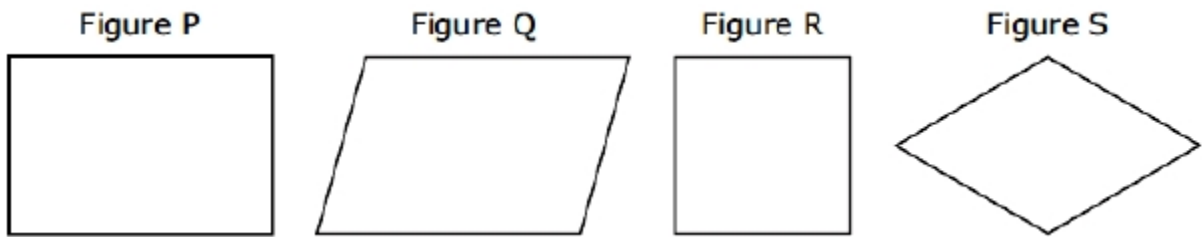
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Yonkers City School District

Student Name: \_\_\_\_\_

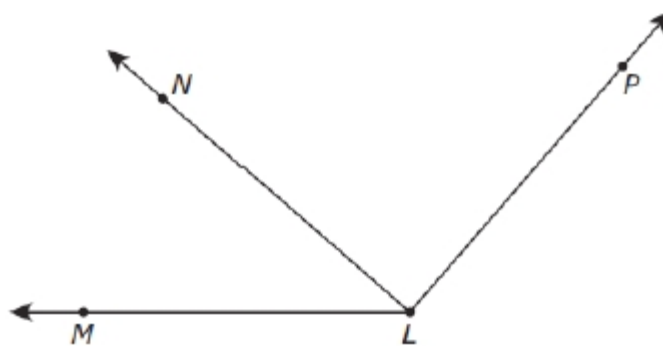
Teacher Name: \_\_\_\_\_

- 1 Four figures are shown.



Which figures are *NOT* rectangles?

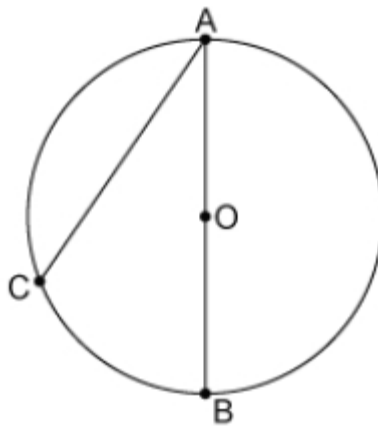
- A Figures Q and S
  - B Figures R and S
  - C Figures P and R
  - D Figures P and Q
- 2 Angle MLN has a measure of  $45^\circ$ . Angle NLP is a right angle.



What is the measure of angle *MLP*?

- A  $45^\circ$
- B  $90^\circ$
- C  $135^\circ$
- D  $180^\circ$

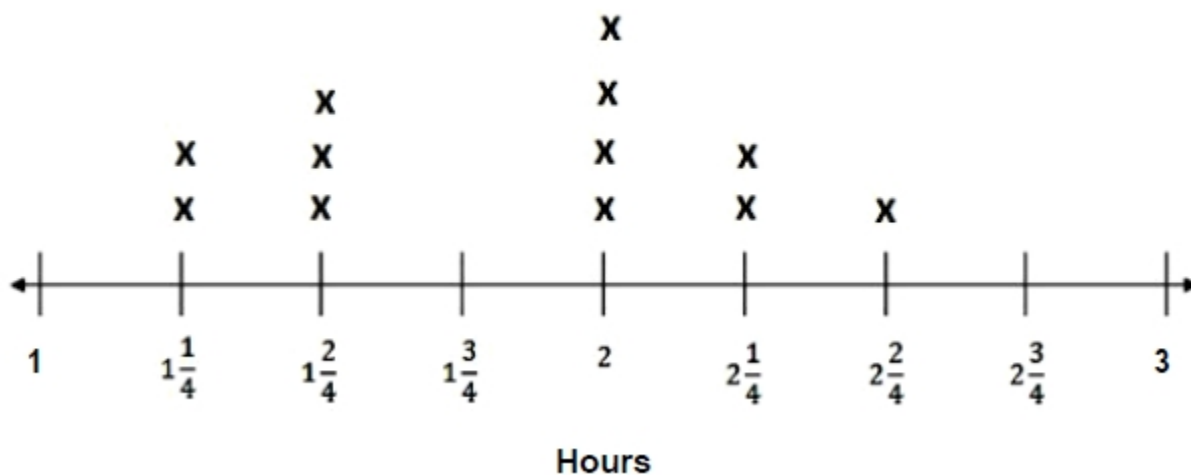
- 3 Mr. Williams used 80 meters of fencing to enclose a rectangular garden. The length of the garden is 15 meters. How wide is the garden?
- A 15 meters  
B 25 meters  
C 50 meters  
D 65 meters
- 4 Which of the following always have 90-degree angles?
- A parallelogram and square  
B square and trapezoid  
C rectangle and square  
D rhombus and square
- 5 What type of angle is angle CAB?



- A obtuse  
B acute  
C right  
D straight

6

Number of hours students in Mr. Williams' class  
spent doing homework



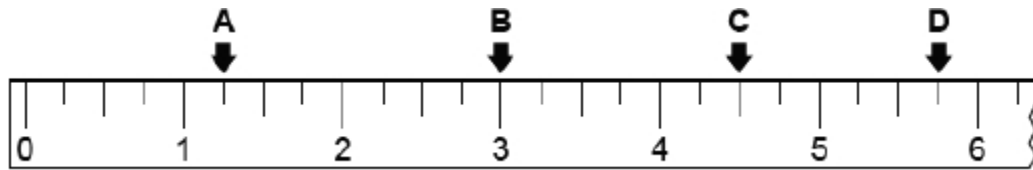
What is the difference between the shortest amount of time spent doing homework and the longest amount of time?

- A 1 hour
- B  $1\frac{1}{4}$  hours
- C  $1\frac{1}{2}$  hours
- D  $1\frac{3}{4}$  hours

7 How many total hours did the students in Mr. Williams' class study?

- A  $9\frac{1}{2}$  hours
- B 12 hours
- C  $17\frac{1}{2}$  hours
- D 22 hours

- 8 What measurement, in inches, is the letter **A** showing on the ruler?



- A** 1  
**B**  $1\frac{1}{2}$   
**C**  $1\frac{1}{4}$   
**D**  $1\frac{5}{4}$

- 9 How many lines of symmetry does the trapezoid below have?



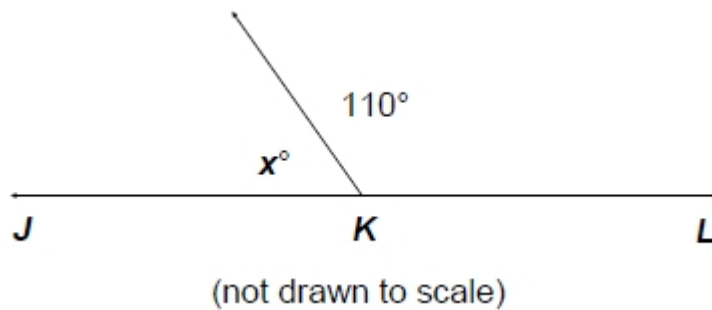
- A** 4  
**B** 2  
**C** 1  
**D** 0

- 10 What is the ninth number of the pattern?

1, 4, 7, 10, 13, ...

- A** 14  
**B** 16  
**C** 22  
**D** 25

- 11  $JKL$  is a straight angle.



Solve for  $x^\circ$ .

**Show your work**

$x^\circ =$  \_\_\_\_\_

**Answer:** \_\_\_\_\_

- 12 The table below shows the length of the railway network in each of five countries.

**Railway Network**

Country	Length of Railway (meters)
Brazil	28,538,000
France	29,640,000
Italy	28,255,000
Japan	28,583,061
South Africa	28,282,016

Using the information in the table, order the lengths from greatest to least. Write your answer on the lines below.

**Greatest** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Least** \_\_\_\_\_

What is the difference between the greatest length and the least length of railway?

**Answer** \_\_\_\_\_ meters

**Answer:** \_\_\_\_\_



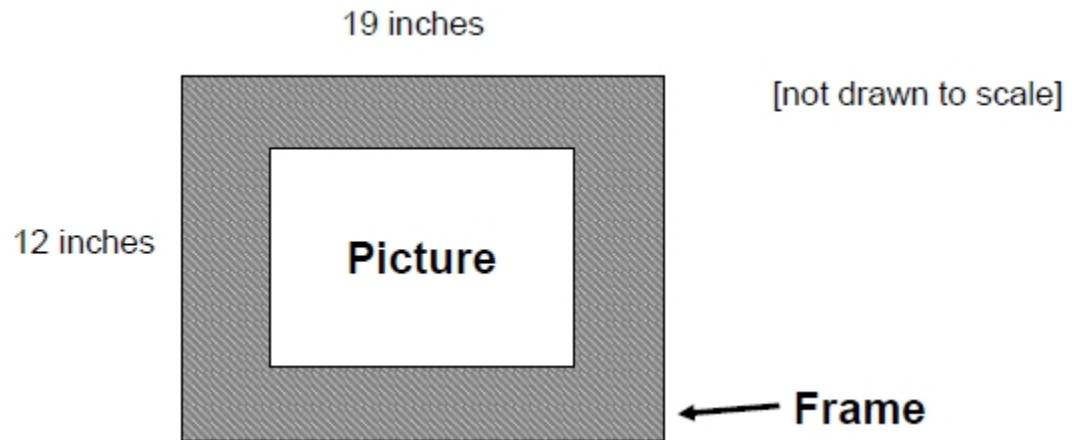
- 13 The area of a rectangle is  $210 \text{ in}^2$ . The length is 10 inches. What is the perimeter?

**Show your work**

**Answer** \_\_\_\_\_ inches

**Answer:** \_\_\_\_\_

- 14 The length and width of a picture frame is shown below.



- a. What is the perimeter, in inches, of the picture frame?

**Answer** \_\_\_\_\_ inches

- b. What is the area, in square inches, of the picture frame if the white center section measures 10 inches long by 9 inches wide?

**Show your work**

**Answer** \_\_\_\_\_ square inches

**Answer:** \_\_\_\_\_


- 15** Students voted on a name for their softball team. The table below lists the number of votes each team name received.

TEAM NAME VOTES	
Name	Number of Votes
Bears	12
Comets	36
Hawks	117
Stars	39
Wolves	108

Which team name received 3 times as many votes as "Comets"?

- A** Bears
- B** Hawks
- C** Stars
- D** Wolves

**16** What sign makes the number sentence correct?

45 in.  4 ft.

- A**    <
- B**    >
- C**    =
- D**    +

**17** \_\_\_\_\_ are the same distance apart and never meet.

- A**    angles
- B**    intersecting lines
- C**    perpendicular lines
- D**    parallel lines

**18** Which group contains only prime numbers?

- A**    7, 11, 27, 43
- B**    7, 19, 33, 41
- C**    5, 13, 29, 47
- D**    11, 17, 37, 39

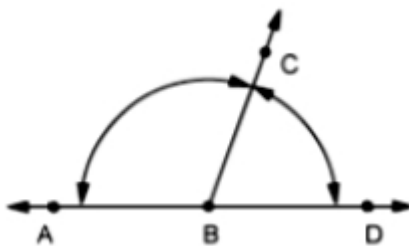
**19** How many lines of symmetry does an equilateral triangle have?

- A**    0
- B**    1
- C**    2
- D**    3

20 What kind of angle is a 125 degree angle?

- A right
- B straight
- C acute
- D obtuse

21 If angle  $ABC$  measures  $97^\circ$ , then what is the measure of angle  $CBD$ ?



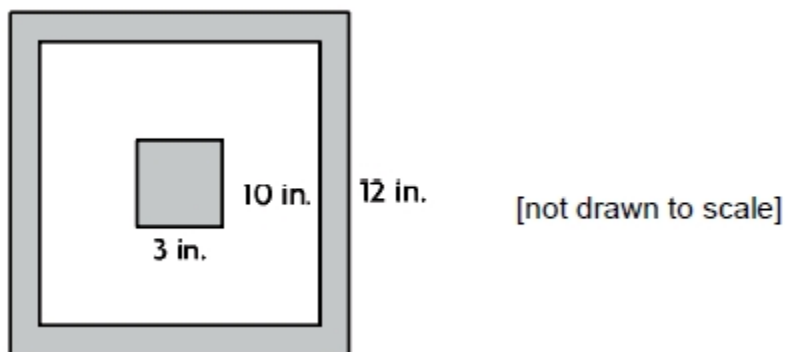
- A  $180^\circ$
- B  $97^\circ$
- C  $83^\circ$
- D  $63^\circ$

22 What fraction of a circle does a  $45^\circ$  angle turn through?

- A  $\frac{45}{180}$
- B  $\frac{45}{360}$
- C  $\frac{45}{90}$
- D  $\frac{45}{100}$

- 23** Enid has a rectangular bedspread that measures 80 inches by 54 inches. She wants to sew a fringe around the edge of the bedspread. How much fringe does she need, in inches?
- A** 134 inches
  - B** 188 inches
  - C** 268 inches
  - D** 4,320 inches

- 24 Diane made a design using only squares. She shaded the inner square and the outer square.

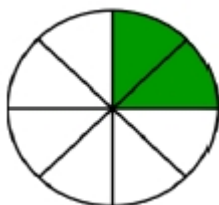


Find the total area that is shaded. Explain how you found your answer in the space below.

**Show your work**

**Answer:** \_\_\_\_\_

**25** What fraction of the circle is shaded?



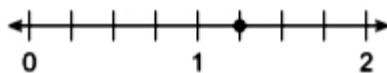
**A**  $\frac{1}{4}$

**B**  $\frac{2}{6}$

**C**  $\frac{2}{4}$

**D**  $\frac{6}{8}$

**26** The point on the number line shows the value of the sum of two fractions.



**A**  $\frac{4}{2} + \frac{1}{2}$

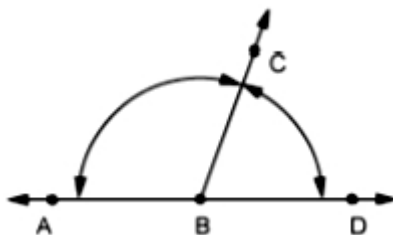
**B**  $\frac{3}{4} + \frac{2}{4}$

**C**  $\frac{2}{6} + \frac{3}{6}$

**D**  $\frac{1}{8} + \frac{4}{8}$



27 If angle  $ABC$  measures  $97^\circ$ , then what is the measure of angle  $CBD$ ?



- A  $180^\circ$
- B  $97^\circ$
- C  $83^\circ$
- D  $63^\circ$