

Name _____

Due Tuesday!



Unit 6 Assessment Study Guide!

Check Vocabulary

Choose the best term from the box to complete the sentence.

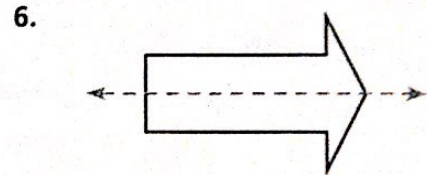
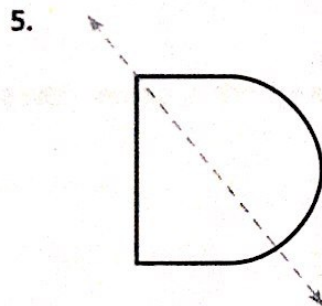
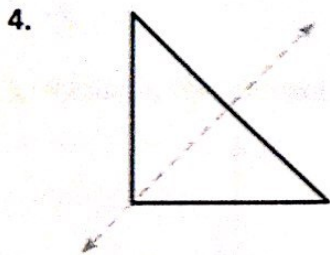
1. A _____ is a quadrilateral with exactly one pair of parallel sides. (p. 367)
2. A shape has _____ if it can be folded about a line so that its two parts match exactly. (p. 371)
3. A _____ has one endpoint and continues without end in one direction. (p. 355)

Vocabulary
line symmetry
parallelogram
ray
trapezoid

Check Concepts

Tell if the blue line appears to be a line of symmetry.

Write *yes* or *no*. MCC4.G.3



Use Figure A for 7–9. MCC4.G.1

7. Name a pair of perpendicular lines.

8. Name a pair of intersecting lines that are not perpendicular.

9. Classify $\angle AGD$. Write *acute*, *right*, or *obtuse*.

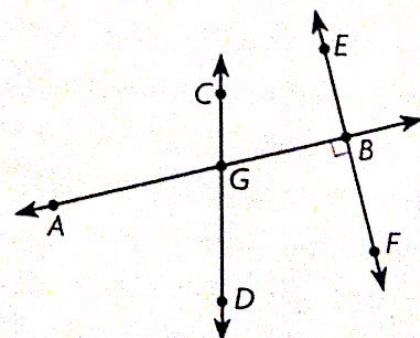

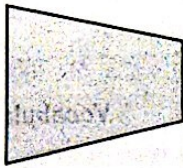



Figure A

Fill in the bubble completely to show your answer.


10. Which describes the shape?  MCC4.G.3



- (A) zero lines of symmetry
- (B) 1 line of symmetry
- (C) 2 lines of symmetry
- (D) more than 2 lines of symmetry

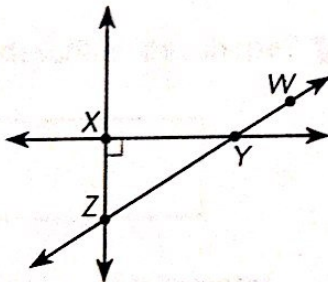
11. Which figure does **not** have two pairs of parallel sides?  MCC4.G.2

- (A) parallelogram
- (B) trapezoid
- (C) rhombus
- (D) square

12. How many right angles can be in an obtuse triangle?  MCC4.G.2

- (A) 0
- (B) 1
- (C) 2
- (D) 3

13. Which is the correct label for a right angle in the figure?  MCC4.G.1



- (A) $\angle XYZ$
- (B) $\angle XYW$
- (C) $\angle ZXY$
- (D) $\angle ZYX$

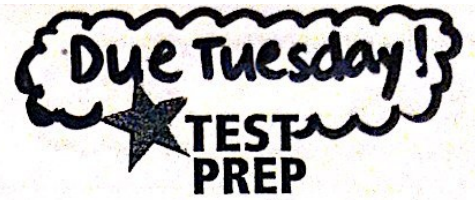
14. Which of the following letters of the alphabet has line symmetry?

 MCC4.G.3

- (A) S
- (B) F
- (C) H
- (D) N

Name _____

Study Guide



Fill in the bubble completely to show your answer.

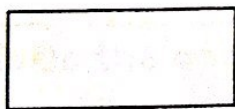
15. Which statement is true? MCC4.G.2

- (A) A trapezoid can never have a right angle.
- (B) A parallelogram can never have a right angle.
- (C) A rhombus is a type of trapezoid.
- (D) A square is a type of parallelogram.

16. Which lines appear parallel? MCC4.G.1

- (A)
- (B)
- (C)
- (D)

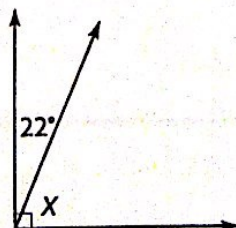
17. Which describes the shape? MCC4.G.3



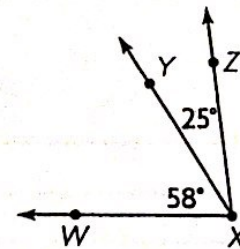
- (A) zero lines of symmetry
- (B) 1 line of symmetry
- (C) 2 lines of symmetry
- (D) 4 lines of symmetry

20. What is the measure of the unknown angle in the figure?

- (A) 22°
- (B) 68°
- (C) 90°
- (D) 158°

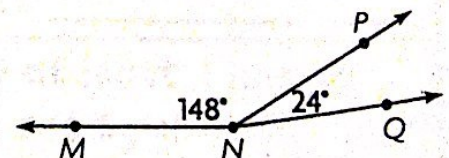


18. What is the measure of $\angle WXZ$?



- (A) 32°
- (B) 83°
- (C) 88°
- (D) 97°

19. Which equation can you use to find the $m\angle MNQ$?



- (A) $148^\circ - 24^\circ = \blacksquare$
- (B) $148^\circ \times 24^\circ = \blacksquare$
- (C) $148^\circ \div 24^\circ = \blacksquare$
- (D) $148^\circ + 24^\circ = \blacksquare$

Practice 1

Due Thursday!

Circle all the numbers that are a multiple of 10: 10, 5, 2, 30, 20

Circle all the numbers that are a multiple of 8: 4, 16, 2, 8, 12, 3

Circle all the numbers that are a multiple of 7: 7, 14, 2, 21, 3

A vending machine has 32 rows of fake tattoos. Each row contains 16 tattoos. How many total tattoos does the machine contain?

What is the product of 3,456 and 6?

Write the decimals as fractions.

0.67 _____

0.35 _____

0.3 _____

0.40 _____

0.9 _____

0.52 _____

0.11 _____

0.88 _____

Name the angles based on their measurements. (acute, obtuse, or right)

98 degrees _____

13 degrees _____

179 degrees _____

154 degrees _____

90 degrees _____

75 degrees _____

Draw three shapes that are symmetric. Draw at least 1 line of symmetry through each shape to prove they are symmetric.

Line Plot Practice

Due Friday

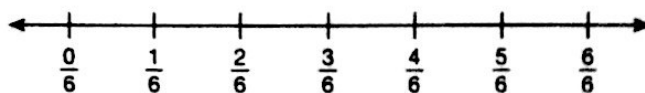
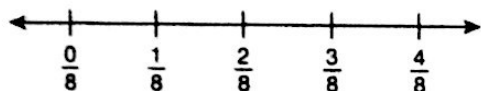
Complete the line plot for the given set of data.

1. amount of meat on sandwich: $\frac{3}{8}$ lb, $\frac{1}{2}$ lb, $\frac{1}{4}$ lb, $\frac{1}{8}$ lb, $\frac{1}{4}$ lb, $\frac{1}{2}$ lb, $\frac{1}{8}$ lb, $\frac{1}{4}$ lb, $\frac{1}{2}$ lb, $\frac{1}{4}$ lb, $\frac{1}{4}$ lb, $\frac{3}{8}$ lb

2. lengths of ribbons: $\frac{1}{2}$ yd, $\frac{1}{3}$ yd, $\frac{5}{6}$ yd, $\frac{1}{3}$ yd, $\frac{1}{6}$ yd, $\frac{1}{2}$ yd, $\frac{1}{3}$ yd, $\frac{1}{2}$ yd, $\frac{5}{6}$ yd, $\frac{1}{3}$ yd

Amount of Meat on Sandwich
(in pounds)

Lengths of Ribbons (in yards)



REMEMBER Draw an X for each piece of data.

Use the line plot for **problem 1** to complete questions 3-5.

- The total number of sandwiches is _____.
- The total amount of meat in the sandwiches that have $\frac{1}{2}$ pound of meat is _____ pounds.
- How much more meat is in all the sandwiches having $\frac{1}{2}$ pound of meat than there is in all those having $\frac{3}{8}$ pound of meat?

Use the line plot for **problem 2** to complete questions 6-8.

- There are _____ ribbons that are $\frac{1}{2}$ yard long.
- The total length of the ribbons that are $\frac{1}{3}$ yard long is _____ yards.
- The difference in length between the longest ribbon and the shortest ribbon is _____ yard.

Line Plot Practice

Due Friday!

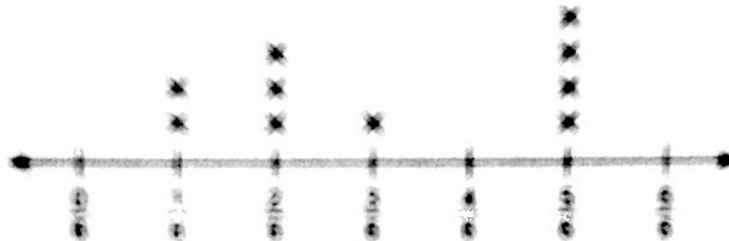
Make a line plot to show the data.

9. time spent on school bus: $\frac{1}{4}$ hr, $\frac{1}{3}$ hr,
 $\frac{1}{2}$ hr, $\frac{1}{3}$ hr, $\frac{1}{6}$ hr, $\frac{1}{2}$ hr, $\frac{1}{4}$ hr, $\frac{1}{6}$ hr, $\frac{1}{4}$ hr,
 $\frac{1}{3}$ hr, $\frac{5}{12}$ hr



Use the line plot to answer questions 10 and 11.

Growth of Seedlings in One Week
(in feet)



Choose the best answer.

10. Which height did the greatest number of seedlings have?

- A. $\frac{1}{6}$ ft B. $\frac{1}{3}$ ft
 C. $\frac{1}{2}$ ft D. $\frac{5}{6}$ ft

11. How many seedlings were taller than $\frac{1}{3}$ foot?

- A. 4 B. 5
 C. 8 D. 10

12. **CREATE** Write a real-world problem about miles using the data in the line plot.

