

LEVEL **F**

NUMBER WORLDS®

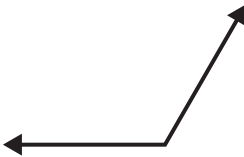
Accelerate Math Success

Assessment

Name _____ Date _____

Unit Pretest

Circle the letter of the correct answer.

1. What is the area of a square with sides 7 inches long?
A 14 square inches
B 49 square inches
C 28 square inches
D 47 square inches
2. What is the area of a rectangle with a length of 6 feet and a width of 5 feet?
A 30 square feet
B 11 square feet
C 22 square feet
D 56 square feet
3. What is the perimeter of a rectangle with a length of 5 feet and a width of 4 feet?
A 20 feet
B 27 feet
C 18 feet
D 9 feet
4. The area of a shed is 180 square feet. The length of the shed is 18 feet. What is the width of the shed?
A 18 feet C 62 feet
B 8 feet D 10 feet
5. If a circle is divided evenly into 9 equal sections, what will the angle of each section be?
A 40°
B 36°
C 9°
D 90°
6. Which answer is an acute angle?
A 180°
B 100°
C 130°
D 30°
7. What is the measure of the angle below?

A 12°
B 90°
C 120°
D 360°

Circle the letter of the correct answer.

8. What is a straight path that extends in one direction?

A line
B ray
C point
D plane

9. Which of these describes a *shape*?

A two lines that don't touch
B a closed figure
C four angles
D curves but no angles

10. Which answer describes these lines?

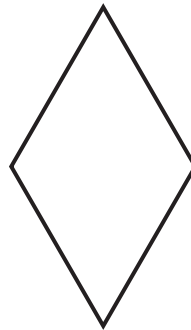


A parallel
B intersecting
C perpendicular
D equilateral

11. What kind of triangle has 2 equal sides?

A scalene
B obtuse
C isosceles
D acute

12. What is the name of this shape?



A trapezoid
B square
C pyramid
D rhombus

13. Which shape has 7 sides?

A pentagon
B triangle
C rectangle
D heptagon

Name _____ Date _____

Circle the letter of the correct answer.**14.** How many seconds are in 6 minutes?

- A 660 seconds
- B 360 seconds
- C 600 seconds
- D 480 seconds

15. How long is a century?

- A 10 years
- B 366 years
- C 100 years
- D 50 years

16. How many feet are in 3 miles?

- A 15,840
- B 35,820
- C 17,600
- D 15,624

17. Which of these is equal to 10 mm?

- A 100 cm
- B 10 kg
- C 1 cm
- D 100 m

18. Which of these measures is largest?

- A gallon
- B quart
- C cup
- D pint

19. How many ounces are in 3 pounds?

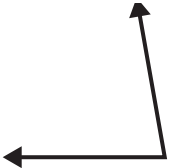
- A 30 ounces
- B 36 ounces
- C 60 ounces
- D 48 ounces

20. How many liters are equal to 1,500 ml?

- A 0.15 l
- B 1.5 l
- C 150 l
- D 1.05 l

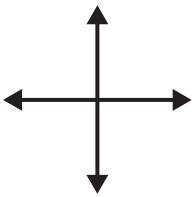

Unit Posttest

Circle the letter of the correct answer.

1. What is the area of a square with sides 9 inches long?
A 18 square inches
B 36 square inches
C 49 square inches
D 81 square inches
2. What is the area of a rectangle with a length of 7 feet and a width of 6 feet?
A 13 square feet
B 26 square feet
C 42 square feet
D 76 square feet
3. What is the perimeter of a rectangle with a length of 10 feet and a width of 6 feet?
A 32 feet C 48 feet
B 60 feet D 16 feet
4. The area of a cabin is 450 square feet. The width of the cabin is 15 feet. What is the length of the cabin?
A 45 feet C 20 feet
B 30 feet D 35 feet
5. If a circle is divided evenly into 12 equal sections, what will the angle of each section be?
A 12° C 120°
B 30° D 40°
6. Which answer is an obtuse angle?
A 150° C 180°
B 0° D 15°
7. What is the measure of the angle below?

A 180° C 100°
B 10° D 80°

Name _____ Date _____

Circle the letter of the correct answer.

8. What is a straight path that extends in opposite directions?
A plane C line
B point D ray
9. Which of these describes an *angle*?
A two rays that share an endpoint
B a point on a plane
C curves that wrap around one another
D a short segment of a line
10. Which answer describes these lines?
- 
- A parallel
B perpendicular
C hexagonal
D precise
11. What kind of triangle has no equal sides?
A right
B isosceles
C acute
D scalene
12. What is the name of this shape?
- 
- A rhombus
B square
C trapezoid
D pyramid
13. Which shape has 8 sides?
A pentagon
B rectangle
C hexagon
D octagon

Circle the letter of the correct answer.

14. How many minutes are in 8 hours?

- A 80 minutes
- B 68 minutes
- C 480 minutes
- D 800 minutes

15. How long is a decade?

- A 10 years
- B 365 years
- C 50 years
- D 30 years

16. How many yards are in 3 miles?

- A 31,760
- B 5,280
- C 5,100
- D 3,760

17. Which of these is equal to 30 cm?

- A 3 m
- B 3 mm
- C 0.3 m
- D 30 mm

18. Which of these measures is smallest?

- A cup
- B quart
- C gallon
- D pint

19. How many pounds are equal to 80 ounces?

- A 16 pounds
- B 8 pounds
- C 2 pounds
- D 5 pounds

20. How many grams are in 6.2 kg?

- A 602 g
- B 6,200 g
- C 620 g
- D 60,200

LEVEL



Assessment

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