Fill in the bubble for the correct answer.

1. Which figure must have 2 pairs of parallel lines?

   (A) Rhombus   *only one* (C) Trapezoid

   (B) Pentagon ✗   (D) Right triangle

   none   *none*

2. Jacob's dad ordered 9 tons of gravel for their driveway.

Customary Units of weight
1 pound (lb) = 16 ounces (oz)
1 ton (T) = 2,000 pounds

   How many pounds of gravel did he order?

   9 tons = ___ lbs.

   (A) 14,000 pounds

   (B) 8,000 pounds

   (C) 2,000 pounds

   (D) 18,000 pounds

   $\begin{array}{r} 2000 \\ \times\ \ \ 9 \\ \hline 18,000 \end{array}$

3. The hour hand of a clock moves clockwise from 1 to 5. What is the measure of the angle that the hand cuts?
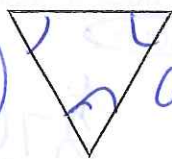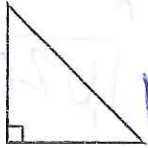
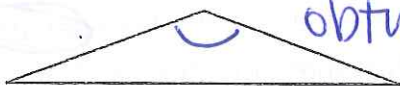   (A) 4° ✗   (C) 120°

   (B) 130°   (D) 20°

   $\dfrac{4}{12} \dfrac{\times 30}{\times 30} \dfrac{120}{360}$

4. Ally mixes 2 quarts 5 fluid ounces of lemonade with 3 quarts 2 fluid ounces of fruit punch. If she and her friends drink 1 quart 4 fluid ounces of the mixture, how much is still left?

   (A) 5 quarts 7 fluid ounces

   (B) 4 quarts 7 fluid ounces

   (C) 4 quarts 3 fluid ounces

   (D) 5 quarts 3 fluid ounces

   $\begin{array}{r} 2Q\ 5\,fl.oz \\ +3Q\ 2\,fl\,oz \\ \hline 5Q\ 7\,fl.oz \\ -1Q\ 4\,fl.oz \\ \hline 4Q\ 3\,fl.oz \end{array}$

5. Marcus buys a patch in the shape of an acute triangle. Which picture could be the shape of the patch?

   (A)   *acute ✓*

   (B)   *right*

   (C)   *Rectangle*

   (D)   *obtuse*

GO ON ➡

6. Look at the figure.

obtuse (handwritten)
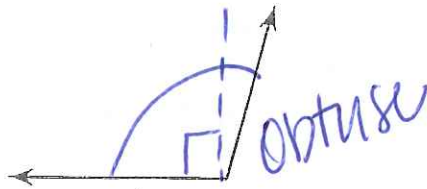
What word describes the angle?

- (A) Acute
- (B) Straight
- (C) Obtuse *(circled)*
- (D) Right

7. It costs $270 to rent a crane for one hour. How much does it cost to rent the crane for 6 hours?
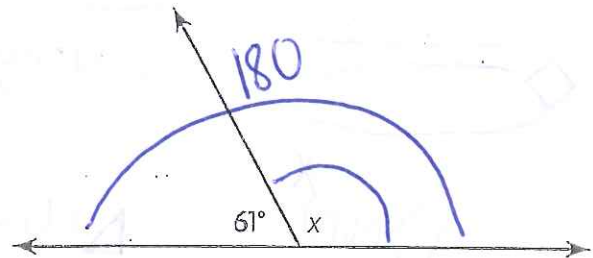
- (A) $1,650
- (B) $1,620 *(circled)*
- (C) $4,550
- (D) $1,242

$$\begin{array}{r} 270 \\ \times\ \ 6 \\ \hline 1{,}620 \end{array}$$

8. Which shows the best estimate for the length of a tennis racket?

think: doorway
- (A) 1 yard *(circled)* just right
pinky
- (B) 1 centimeter too short
forearm
- (C) 1 foot too short
- (D) 1 ton weight!

9. Look at the figure.

180 *(handwritten)*

61°   X

What is the measure, in degrees, of the unknown angle?

Record your answer and fill in the bubbles on the grid. Be sure to use the correct place value.

119

$$\begin{array}{r} 7 \\ 1\,8\,\cancel{6}0 \\ -\ \ 61 \\ \hline 119 \end{array}$$

10. The distance between El Paso and Lubbock is 478 kilometers. The distance between El Paso and McAllen is 1,013 kilometers. How many more kilometers is it from El Paso to McAllen than from El Paso to Lubbock?

- (A) 635 kilometers
- (B) 1,491 kilometers
- (C) 565 kilometers
- (D) 535 kilometers *(circled)*

$$\begin{array}{r} 0\ 9\ 10 \\ \cancel{1}\,\cancel{0}\,\cancel{1}\,3 \\ -\ \ 4\ 7\ 8 \\ \hline 535 \end{array}$$
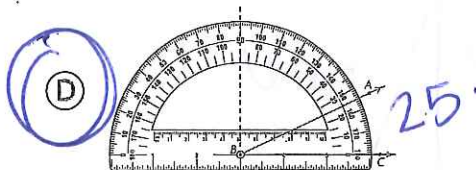
GO ON

11. Dr. Jefferson makes a stained glass window in this shape.

right (handwritten)
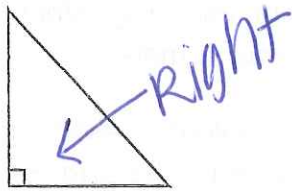
Which is a name for this shape?

(A) Right triangle *(circled)*

(B) Pentagon

(C) Obtuse triangle

(D) Acute triangle

12. Shen draws a 25° angle. Use the protractor. Which angle does he draw?

(A) *175°* (handwritten)

(B) *155°* (handwritten)

(C) *20* (handwritten)

(D) *(circled)* *25°* (handwritten)
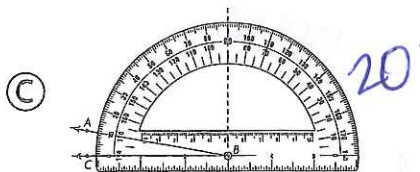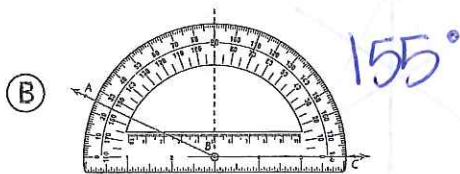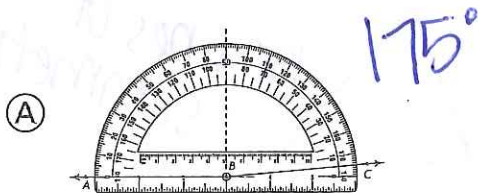
13. Ms. Anderson buys 12 bottles of water and 8 cans of juice. Each water bottle contains 2 liters of liquid. Each can of juice contains 500 milliliters of liquid. How much more water than juice does Ms. Anderson buy?

subtract! (handwritten)

(A) 22 liters

(C) 20 liters *(circled)*

(B) 24 liters

(D) Not here

*12 water
× 2 liters
24 liters
24,000 mL* (handwritten)

*8 cans
× 500 mL
4000 mL* (handwritten)

14. Paola will leave for vacation in 63 days. How many weeks is that?

(A) 5 weeks

(C) 12 weeks

(B) 9 weeks *(circled)*

(D) 7 weeks

1 week = 7 days (handwritten)

*9
7)63* (handwritten)

15. Fred draws and shades an angle inside this circle.

$\frac{1}{8}$

$\frac{1}{8} = \frac{45}{360}$ (handwritten)
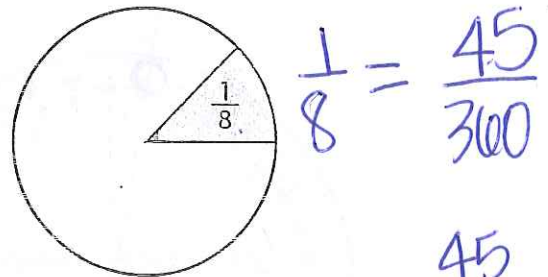
What is the measure of the angle represented by the shaded part of the circle?

*45
8)360* (handwritten)

(A) 45° *(circled)*

(C) 40°

(B) 30°

(D) 35°

GO ON

10 dm = 1 m

16. Look at the figure.

line

S ←———•———————————•———→ T
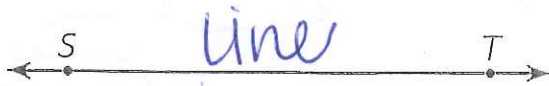
Which names the figure correctly?

(A) $\overleftrightarrow{ST}$ (C) $\angle ST$

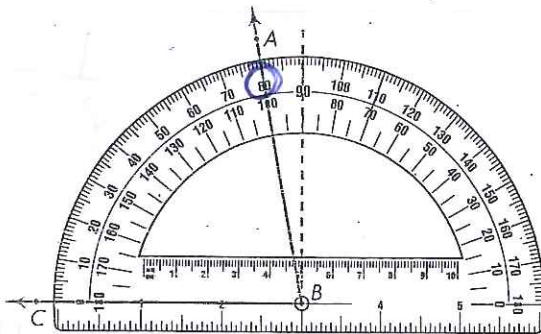(B) $\overleftarrow{TS}$ (D) $\overrightarrow{ST}$

17. A stockpot can hold 24 pints of liquid. How many quarts of liquid can it hold?

1 Qt = 2 pts.

(A) 3 quarts   (C) 6 quarts

(B) 48 quarts   (D) 12 quarts

$2\overline{)24}\text{ pts} = \underline{12}\text{ qts.}$

18. Look at the angle.

Use the protractor. What is the measure of the angle?

(A) 60°   (C) 130°

(B) 80°   (D) 100°

19. Sanjay walks a park trail that is 4,860 decimeters long. What is the length of the trail in meters?

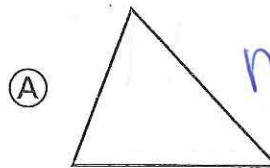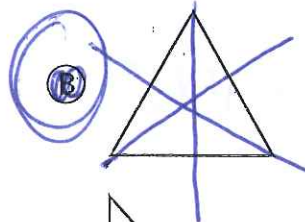Record your answer and fill in the bubbles on the grid. Be sure to use the correct place value.

4	8	6	.	
⓪	⓪	⓪		
①	①	①		
②	②	②		
③	③	③		
●	④	④		
⑤	⑤	⑤		
⑥	⑥	●		
⑦	⑦	⑦		
⑧	●	⑧		
⑨	⑨	⑨		

486

$10\overline{)4860}$

20. Which triangle has 3 lines of symmetry?

(A)

no lines of symmetry

(B)

3

(C)

none

(D)
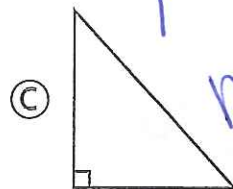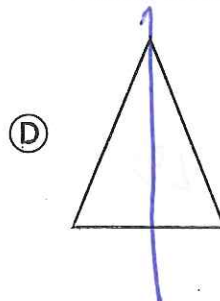
one

GO ON

21. Malia's jump rope is 108 inches long.

Customary Units of Length
1 foot (ft) = 12 inches (in.)
1 yard (yd) = 3 feet
1 yard (yd) = 36 inches

What is the length of Malia's jump rope in yards?

Ⓐ 2 yards   Ⓒ 3 yards

Ⓑ 9 yards   Ⓓ 6 yards

(handwritten) 3
3⟌108

36
× 2
72

1
36
× 3
108

108 in. = ___ yds.

22. A play begins at 12:35 P.M. and lasts 1 hour 32 minutes. When does the play end?

Ⓐ 2:25 P.M.   Ⓒ 2:17 P.M.

Ⓑ 2:07 P.M.   Ⓓ 1:07 P.M.

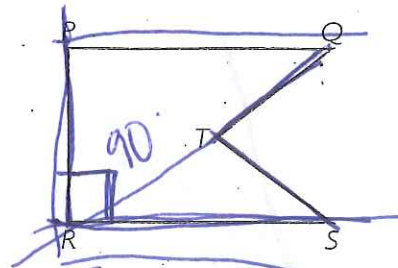*(handwritten number line)* +1hour +25min +7mins
12:35 1:35 2:00 2:07
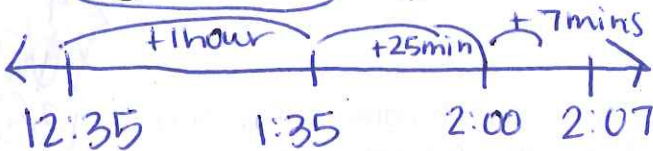
23. Tyrell has a ball of clay that has a mass of 252 grams. If he cuts the clay into 3 equal parts, what would the mass of each part be?

Ⓐ 84 grams

Ⓑ 756 grams

Ⓒ 80 grams

Ⓓ 86 grams

(handwritten) 84
3⟌252

24. Kayla designs a flag in this shape.

(handwritten "90" labeled near angle)

Which two line segments on the flag appear to be perpendicular to each other?

Ⓐ $\overline{PQ}$ and $\overline{RS}$ parallel

Ⓑ $\overline{QT}$ and $\overline{ST}$ intersecting

Ⓒ $\overline{PR}$ and $\overline{QT}$ intersecting

Ⓓ $\overline{RS}$ and $\overline{PR}$ yes! def. perpen.
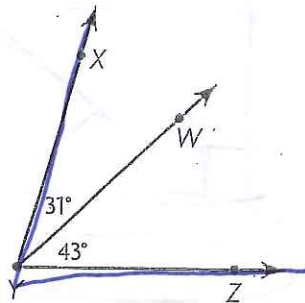
25. Look at the model.
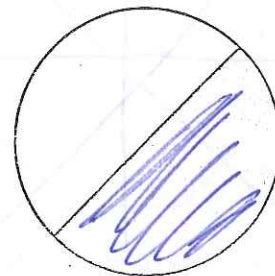
What fraction of the circle does the shaded area represent?

Ⓐ $\frac{1}{4}$ Ⓒ $\frac{3}{4}$

Ⓑ $\frac{1}{8}$ Ⓓ $\frac{1}{2}$

GO ON
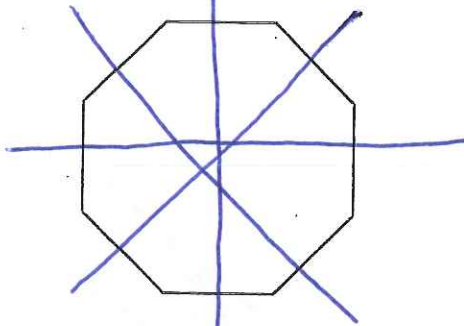
26. What is the measure of ∠XYZ?

X

W

31°

43°

Z

Y

(A) 59°

(B) 47°

(C) 74°

(D) 90°

31
+43
―――
74

27. Look at the figure.

How many lines of symmetry does the figure have?

(A) 0

(B) 2

(C) 1

(D) More than 2

28. Earleen has $2,357 in her savings account. She withdraws $64 and then deposits $130.50. What is the new balance in her account?

(A) $2,162.50

(B) $2,423.50

(C) $2,551.50

(D) $2,290.50

2357.00
− 64.00
―――――
2293.00
+ 130.50
―――――
2423.50

29. Which letter contains a pair of parallel lines?

(A) H   (C) Y

(B) L   (D) K

30. Jamie has 3 kilograms of granola. She makes 6 snack bags for a hike. If she uses 230 grams of granola to make each snack bag, how much granola does she have left?

(A) 1,850 grams

(B) 1,620 grams

(C) 2,310 grams

(D) 1,390 grams

3000
−1380
―――――
1620

$3 kg = 3,000 g$
−1380
―――――
1,620

230
× 6
―――
1,380