

Name _____

Summer Math Skills Packet for Students entering Grade 4

Please complete packet and
return to 4th grade teacher in
September.

Please memorize multiplication
facts 1 to 12.

Name: _____

Date: _____

27.
$$\begin{array}{r} 432 \\ \times 2 \\ \hline \end{array}$$

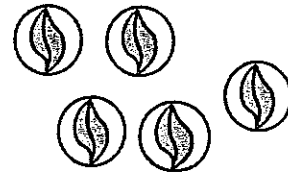
28.
$$\begin{array}{r} 251 \\ \times 3 \\ \hline \end{array}$$

Problem Solving

Solve. Show your work.

29. Cheryl completes 42 pages of math exercises.
There are 4 exercises on each page.
How many exercises does she complete?

30. Damien has 48 marbles.
He packs all the marbles equally into 8 bags.
How many marbles are there in each bag?

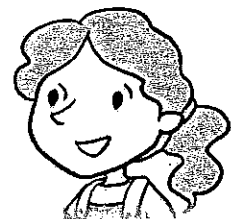


31. Mr. Roberts has 63 daisies and some pots.
He plants 9 daisies in each pot.
How many pots does he use?

32. A farmer packs 49 pounds of grain into 7-pound bags.
How many bags does the farmer need?

33. A grocer sells 153 bags of carrots.
Each bag has 5 carrots.
How many carrots does the grocer sell?

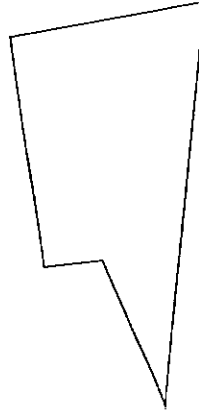
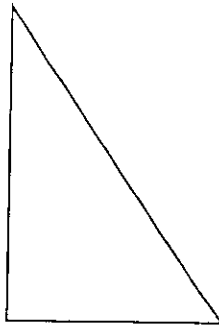
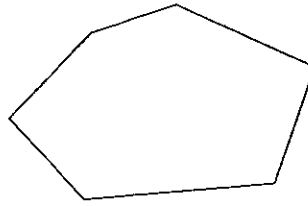
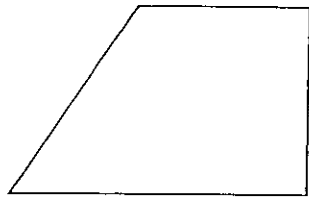
34. Jessie buys 4 cartons of markers.
Each carton contains 125 markers.
How many markers does she buy?



Name: _____

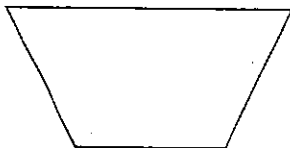
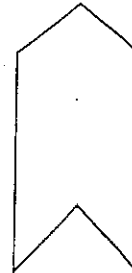
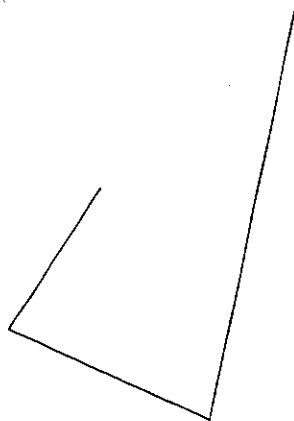
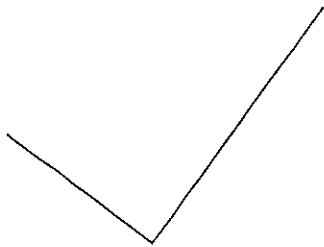
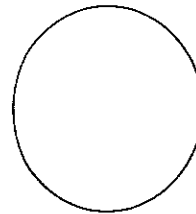
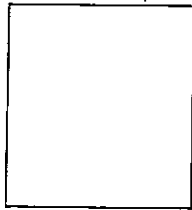
Date: _____

10. Mark the right angles in each figure. (Lesson 17.3)



Circle the polygons. (Lesson 18.1)

11.



Write true or false. (Lesson 18.1)

12. A trapezoid has four angles.

13. A circle is a quadrilateral.

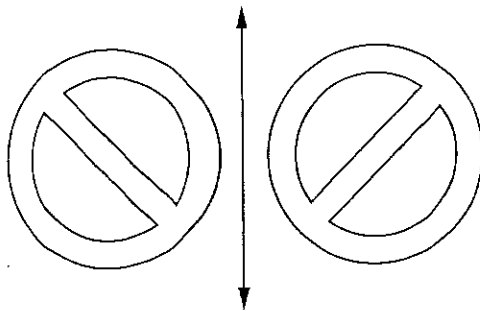
14. A rhombus has only one pair of parallel lines.

15. An octagon has eight sides.

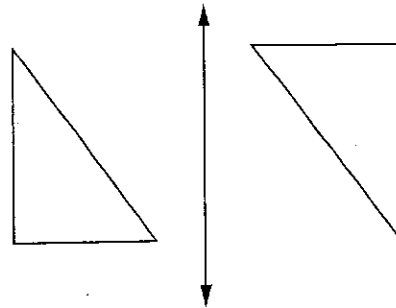
16. A square is not a rectangle.

Does the figure show a flip? Write yes or no. (Lesson 18.2)

17.

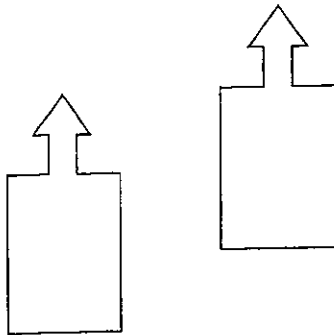


18.

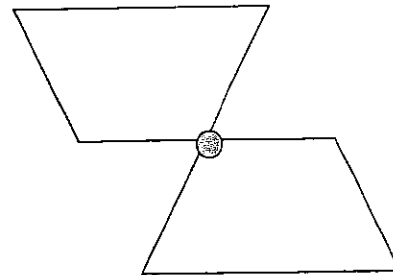


Does the figure show a turn? Write yes or no. (Lesson 18.2)

19.



20.

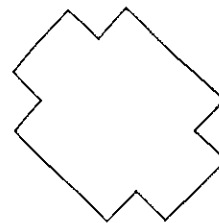
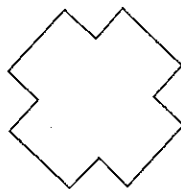
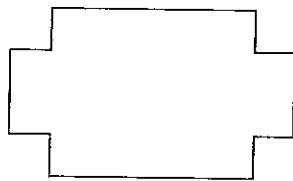
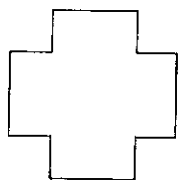


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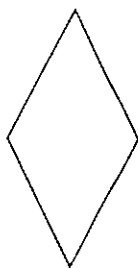
Circle the congruent shapes. (Lesson 18.2)

21.

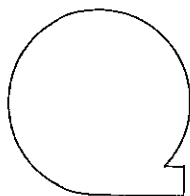


Decide if each figure is symmetric. Write *yes* or *no*. (Lesson 18.3)

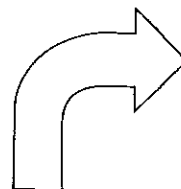
22.



23.

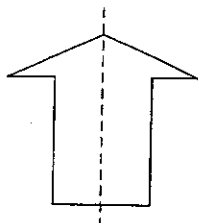


24.

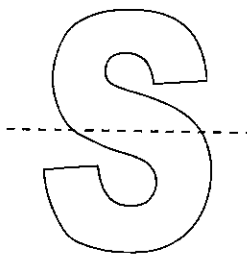


Decide which figures show a line of symmetry. Write *yes* or *no*.

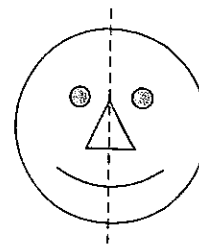
25.



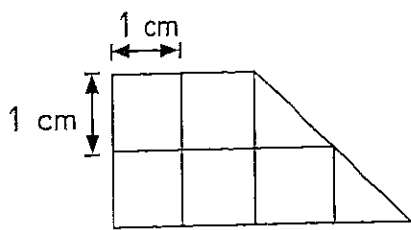
26.



27.

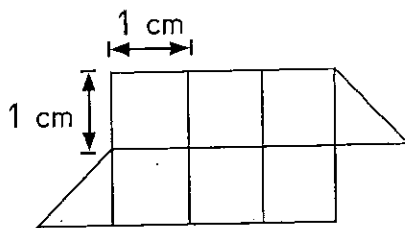


Find the area of each figure. (Lesson 19.2)



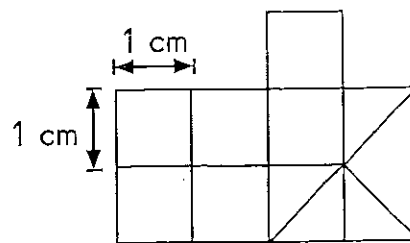
A

A: _____ cm^2



B

B: _____ cm^2



C

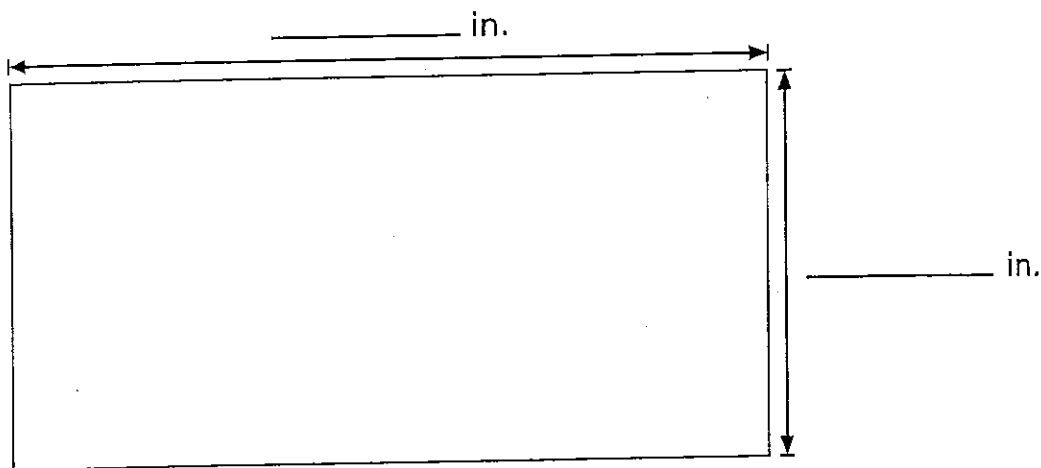
C: _____ cm^2

28. Which figure has the greatest area? Figure _____

29. Which figure has the least area? Figure _____

Complete. (Lesson 19.5)

30. Measure in inches.



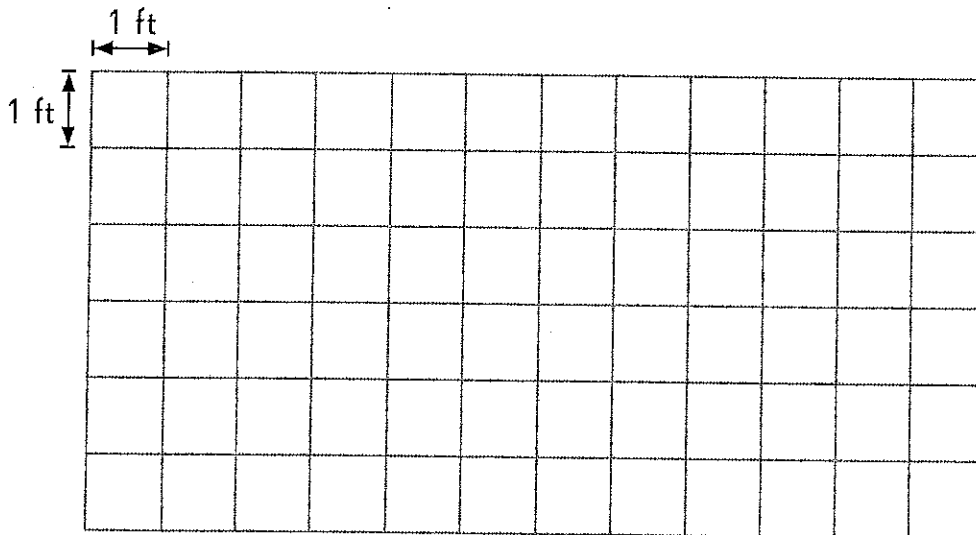
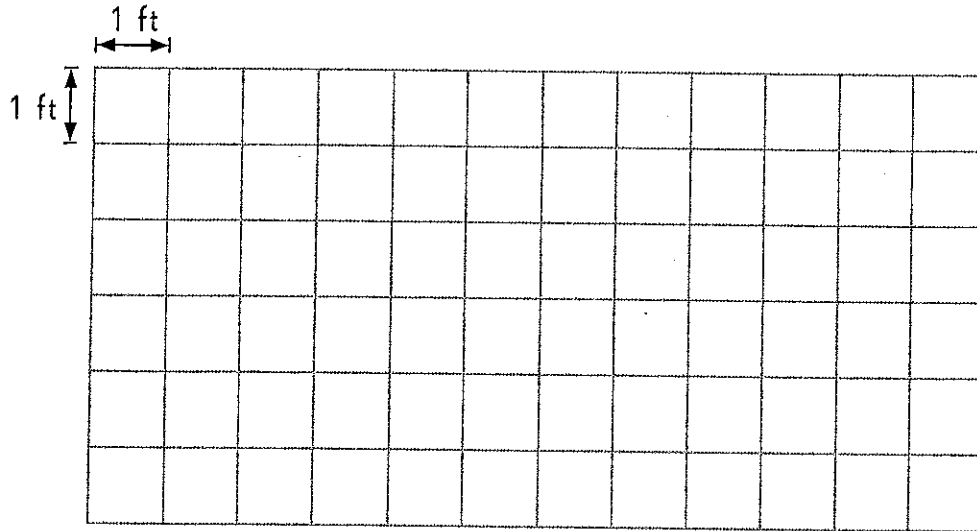
31. The perimeter of the rectangle is _____

Problem Solving

Complete.

Draw two different rectangles with a perimeter of 10 feet each.

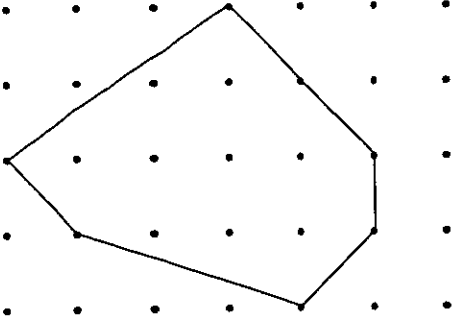
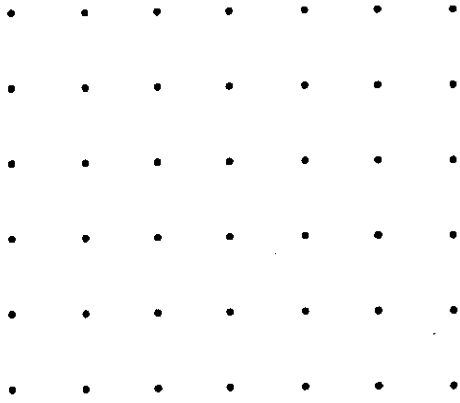
32.



33. Are the areas of the two rectangles the same? _____
34. If their areas are the same, what is the area? _____
35. If their areas are not the same, what is the difference in their areas?

Complete.

- 36.** Look at the shape in **a**.
How many sides and angles are there?
- 37.** Draw another shape that has the same number of sides and angles.

<p>a.</p> 	<p>b.</p> 
<p>_____ sides, _____ angles</p>	

Solve. Show your work.

- 38.** On Monday, Samantha spent 8 hours 10 minutes in school.
On Tuesday, she spent 6 hours 55 minutes in school.
How much longer did she spend in school on Monday than on Tuesday?

Name: _____

Date: _____

Circle the fraction that is less. (Lesson 14.4)

14. $\frac{5}{7}$ or $\frac{5}{9}$

15. $\frac{4}{9}$ or $\frac{5}{7}$

Compare. Write > or <. (Lesson 14.4)

16. $\frac{4}{5}$ ○ $\frac{3}{8}$

17. $\frac{3}{7}$ ○ $\frac{7}{12}$

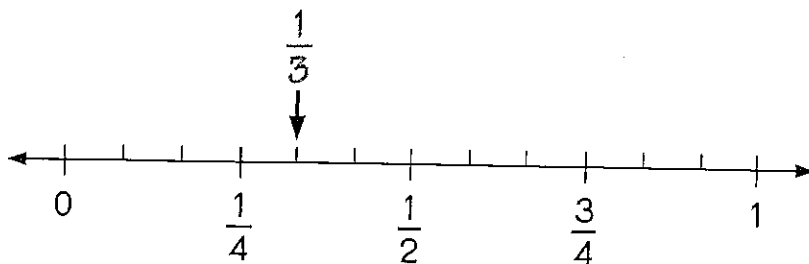
Order the fractions from least to greatest. (Lesson 14.4)

18. $\frac{1}{2}$, $\frac{3}{8}$, $\frac{7}{12}$ _____

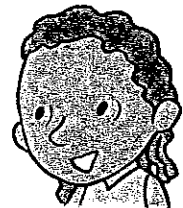
Order the fractions from greatest to least.

19. $\frac{1}{6}$, $\frac{3}{4}$, $\frac{2}{3}$ _____

Complete. Show each fraction on the number line. (Lesson 14.4)



The example shows a fraction less than $\frac{1}{2}$ but greater than $\frac{1}{4}$.



20. A fraction greater than $\frac{1}{2}$ but less than $\frac{3}{4}$. _____

21. A fraction less than $\frac{1}{6}$. _____

22. A fraction greater than $\frac{5}{6}$. _____

Add or subtract. (Lesson 14.5)

23. $\frac{1}{12} + \frac{5}{12} =$ _____

24. $\frac{2}{6} + \frac{1}{6} + \frac{3}{6} =$ _____

25. $\frac{5}{10} - \frac{4}{10} =$ _____

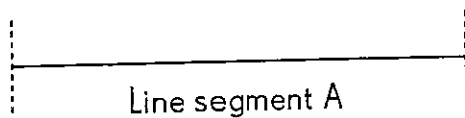
26. $1 - \frac{5}{12} =$ _____

Complete.

Measure Line segment A to the nearest: (Lesson 15.1)

27. inch. _____

28. half-inch. _____



Color the pictures to find the fractional part of each set. (Lesson 14.6)

29. $\frac{1}{2}$ of 10



30. $\frac{3}{8}$ of 16

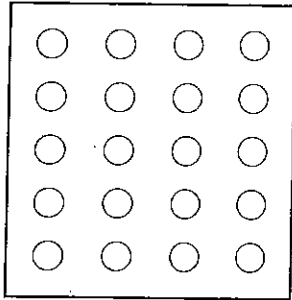


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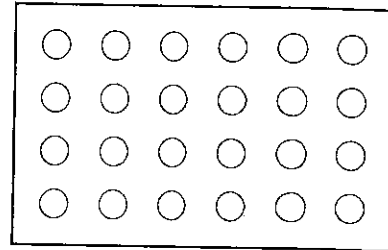
Date: _____

Color the pictures to find the fractional part of each set. (Lesson 14.6)

31. $\frac{1}{4}$ of 20



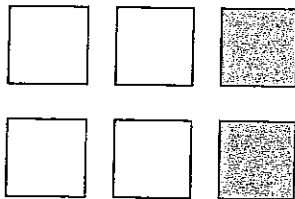
32. $\frac{5}{6}$ of 24



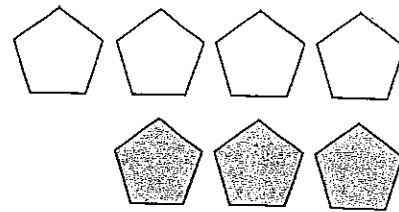
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Write a fraction for the part of each set that is shaded. (Lesson 14.6)

33.



34.



Choose the best unit of measure for measuring each length.

Write *inch, foot, yard, or mile.* (Lesson 15.1)

35. width of a finger

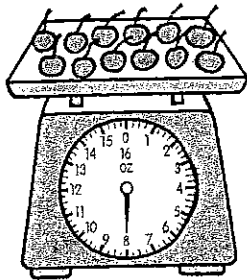
36. length of a baseball bat

37. length of a playground

38. distance walked in 1 hour

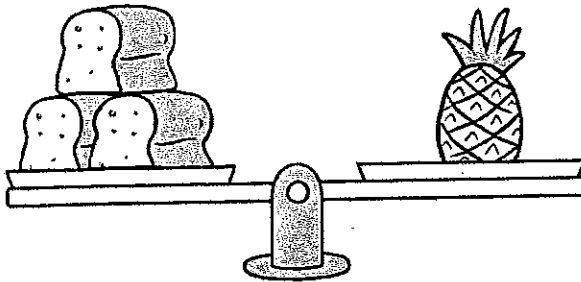
Complete. (Lesson 15.2)

39.



The cherries weigh _____ ounces.

40.



Each loaf of bread weighs about 1 pound.

The pineapple weighs about _____ pounds.

Choose the best unit of measure for weighing each item.

Write ounce, pound, or ton. (Lesson 15.2)

41. weight of a dog _____

42. weight of a box of toothpicks _____

43. weight of a hippopotamus _____

Compare. Write > or <. (Lesson 15.2)

44. 1 oz ○ 8 lb

45. 100 lb ○ 100 T

End-of-Year Review

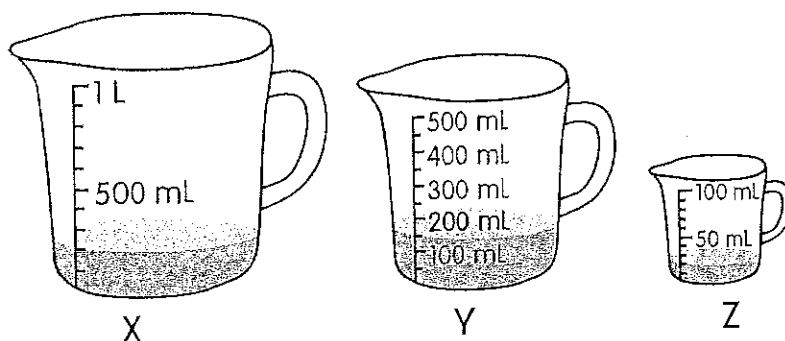
Test Prep

Multiple Choice

Fill in the circle next to the correct answer.

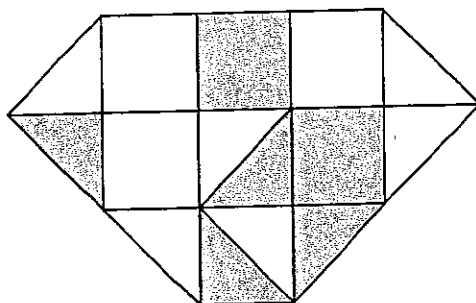
1. John spends \$1.35 on bus fare and \$2.50 on food each day. How much does he spend in two days? (Lesson 10.1)
- (A) \$3.85 (B) \$6.60
(C) \$6.70 (D) \$7.70
2. Paige jogs around a 400-meter track 3 times a day. What is the distance she jogs each day? (Lesson 11.2)
- (A) 400 m (B) 1 km 200 m
(C) 1 km 400 m (D) 10 km 200 m
3. Which mass is not the same as the others? (Lesson 11.3)
- (A) 7,220 g (B) 7,022 g
(C) 7,000 g + 22 g (D) 7 kg 22 g
4. Which is incorrect? (Lesson 14.3)
- (A) $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$ (B) $\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$
(C) $\frac{2}{3} = \frac{4}{6} = \frac{6}{12}$ (D) $\frac{2}{2} = \frac{4}{4} = \frac{11}{11}$

5. Look at the measuring cups. (Lesson 11.4)



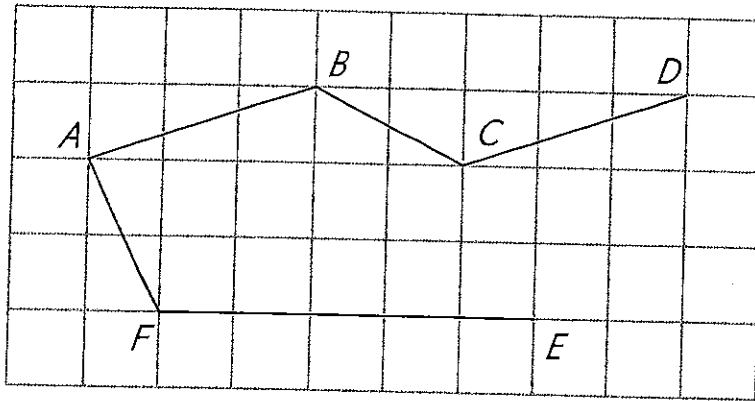
Which is correct?

- (A) There is 500 milliliters more water in X than Y.
 (B) There is a total of 1,500 milliliters of water in X and Y.
 (C) Z contains 180 milliliters less water than X.
 (D) The difference in the volume of water in Y and Z is 170 milliliters.
6. What fraction of the figure is shaded? (Lesson 14.1)



- (A) $\frac{1}{5}$ (B) $\frac{2}{5}$
 (C) $\frac{6}{13}$ (D) $\frac{2}{3}$

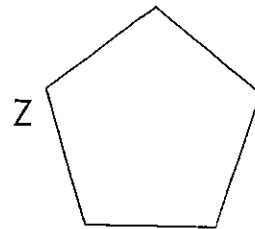
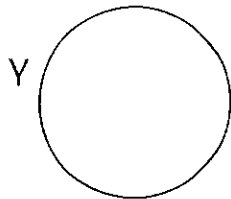
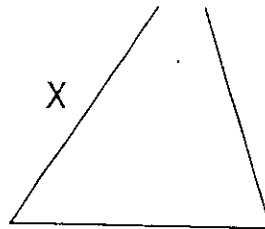
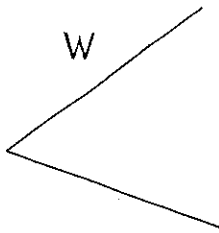
7. Look at the line segments. (Lesson 17.6)



Which line segments are parallel?

- (A) Segments AB and AF
- (B) Segments BC and EF
- (C) Segments AF and BC
- (D) Segments AB and CD

8. Which is a polygon? (Lesson 18.1)



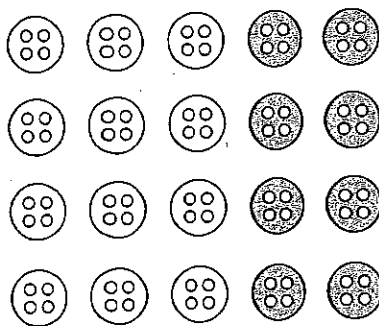
- (A) Figure W
- (B) Figure X
- (C) Figure Y
- (D) Figure Z

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9. Which tarts weigh the same? (Lesson 15.2)

Tarts	Weight
Lemon	2 pounds
Blueberry	3 pounds
Strawberry	24 ounces
Peach	32 ounces

- (A) Lemon and Strawberry
 (B) Lemon and Peach
 (C) Blueberry and Strawberry
 (D) Blueberry and Peach
10. 8 of the 20 buttons in a box are gray.
 The rest are white.
 What fraction of the buttons are white? (Lesson 14.6)



- (A) $\frac{2}{5}$ (B) $\frac{3}{5}$
 (C) $\frac{4}{5}$ (D) $\frac{3}{7}$

Short Answer

Read the questions carefully. Write your answers in the space provided.

11. Order the fractions from greatest to least. (Lesson 14.4)

$$\frac{1}{4}, \frac{7}{8}, \frac{3}{4}$$

12. String A is 28 inches long. String B is 4 feet long.
Which is longer? (Lesson 15.1)

String _____

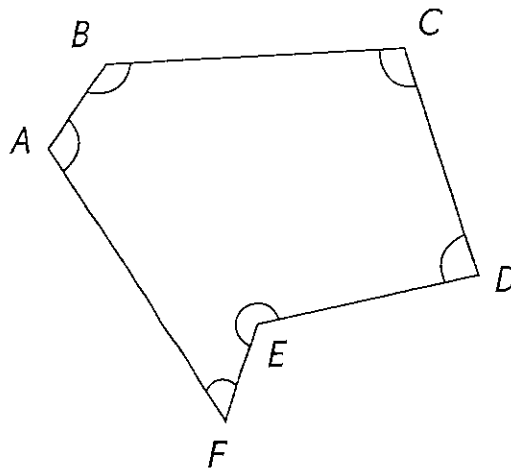
13. George starts on his science project at 8:25 A.M. He finishes at 10:10 A.M. How long did he take? (Lesson 16.5)

_____ h _____ min

14. Mrs. Freeman puts 3 cups of lemon juice in a punch bowl. She adds 6 pints of water. How many cups of liquid are there in total? (Lesson 15.3)

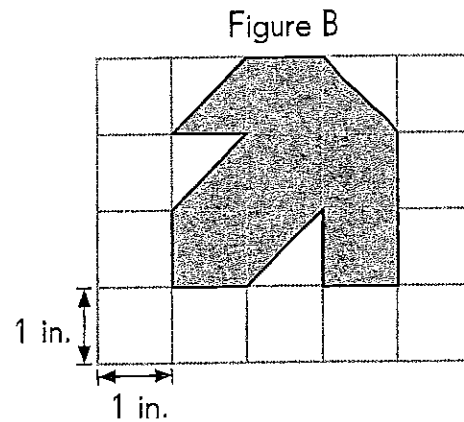
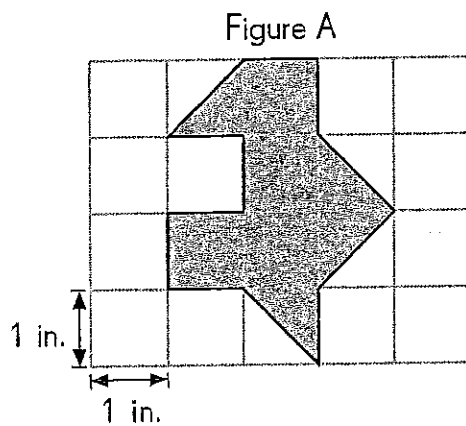
_____ cups

15. Which angles in the figure are less than a right angle? (Lesson 17.3)



Angles _____ and _____

Look at the figures to answer Exercises 16 and 17. (Lesson 19.4)



16. Which figure has a greater area?

Figure _____

17. How much greater?

_____ in.²