

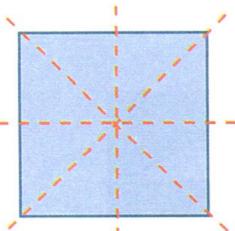
You Draw the Lines

For each of the following figures, draw all the lines of symmetry. If there are line(s) of symmetry, write the number of lines next to the figure. If there are no lines of symmetry, write the word *none* next to the figure.

Skills:

Identifying
Lines of
Symmetry
in Two-
Dimensional
Shapes

1.

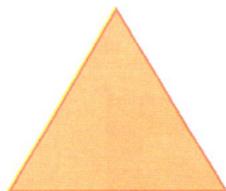


4

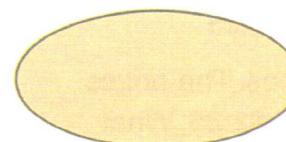
5.



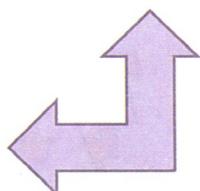
2.



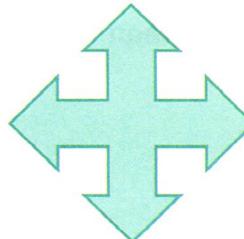
6.



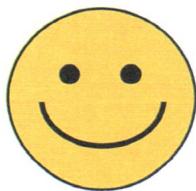
3.



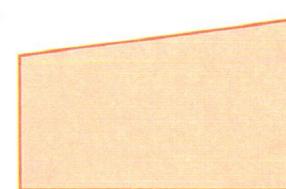
7.



4.

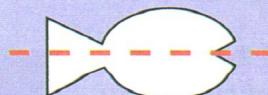


8.



Remember:

If a shape could be folded on the line of symmetry, the two parts would match. Some shapes have many lines of symmetry. Some shapes have none.



1 line of symmetry



0 lines of symmetry

Yard
Sale



Fill in the circle next to the correct answer.

1. Deidre is buying 5 CDs for \$14.95 each. What is the total cost of the CDs?

(A) \$75.75 (C) \$74.75
(B) \$74.05 (D) \$74.25

2. Pete paid \$61.50 for six pizzas. How much did he pay for each pizza?

(A) \$11.50 (C) \$12.50
(B) \$6.75 (D) \$10.25

3. Irma bought three games. The prices were \$4.50, \$3.75, and \$2.25. What was the average cost of a game?

(A) \$2.50 (C) \$3.75
(B) \$3.50 (D) \$4.25

4. How much time elapses between 4:45 A.M. and 6:17 A.M.?

(A) 2 hours 32 minutes
(B) 1 hour 28 minutes
(C) 1 hour 32 minutes
(D) 32 minutes

5. How much time elapses between 9:15 A.M. and 1:10 P.M.?

(A) 1 hour 30 minutes
(B) 13 hours 30 minutes
(C) 3 hours and 55 minutes
(D) 1 hour 15 minutes

6. Name the shape.

(A) trapezoid
(B) rhombus
(C) rectangle
(D) octagon



For numbers 7 and 8, use these figures:



A



B



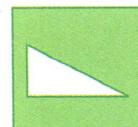
C



D

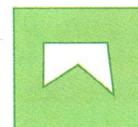
7. Which figure is congruent to the white region?

(A) figure A
(B) figure B
(C) figure C
(D) figure D



8. Which figure is congruent to the white region?

(A) figure A
(B) figure B
(C) figure C
(D) figure D



9. How has this shape been transformed?

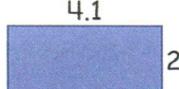
(A) turned (rotated)
(B) flipped (reflected)
(C) slid (translated)
(D) turned or slid



10. Write your name. Then slide your name to the right and write it again (label it *slide*).

11. What is the area of this figure?

(A) 8.1 square units
(B) 4.3 square units
(C) 4.2 square units
(D) 8.2 square units



12. How many lines of symmetry does this figure have?

(A) 1 line of symmetry
(B) 2 lines of symmetry
(C) 3 lines of symmetry
(D) 4 lines of symmetry



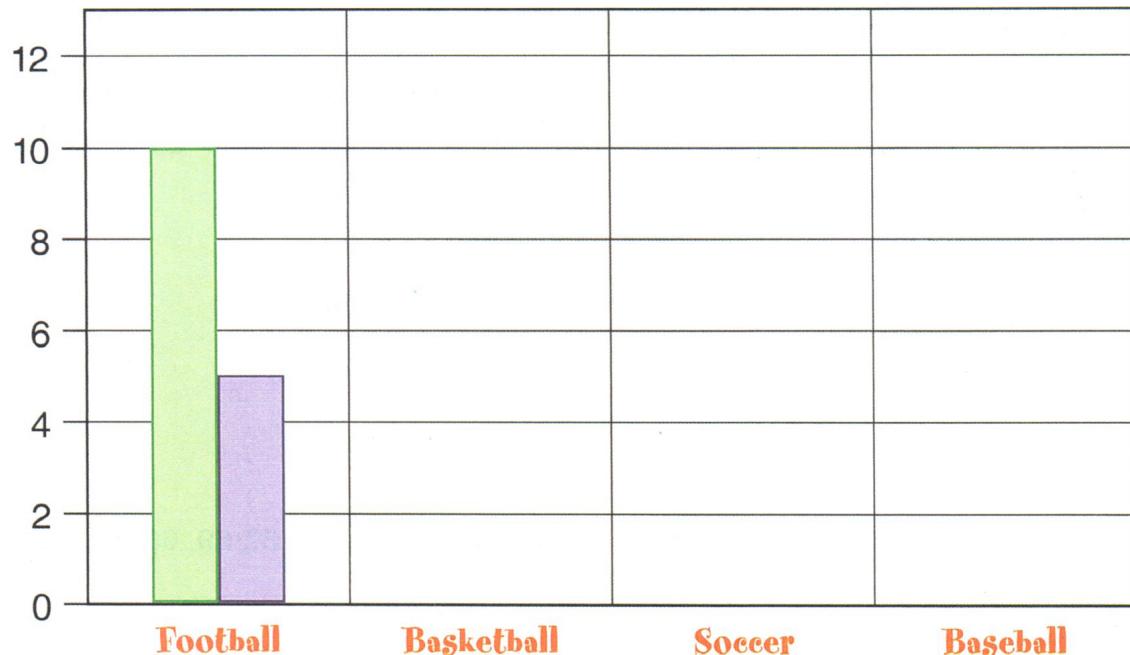
Play Ball

To find the answer to this riddle, follow the steps below:

What is bought by the yard and worn by the foot?

1. This table represents the sports students like to watch on TV. Use it to draw a double bar graph that represents the information on the empty graph below.

	Football	Basketball	Soccer	Baseball
Boys	10	4	11	3
Girls	5	9	12	1



Skills:

Constructing
and
Interpreting
Graphs



A
C
E
H
I
M
N
P
R
T
U
W

2. Each line below has a sport and a gender listed under it. This corresponds to one of the bars you drew on the graph. Go to the top of each bar and look horizontally to the right and you will see a letter. Write this letter on the corresponding line, and it will spell out the answer to the riddle.

soccer
boys

soccer
girls

basketball
boys

football
girls

football
boys

baseball
boys

Play Ball

Skills:

Analyzing
Data Utilizing
Range, Mean,
Median, and
Mode

What's Your Range?

Find the range.

1. 5, 7, 8, 8, 15, 23

2. 42, 48, 53, 54, 57, 59, 60, 61, 61

3. 22, 23, 26, 31, 38, 41, 45, 62

Remember:

Range is the difference between the greatest and the least number in a set of data.

21, 15, 27, 12, 20

$$27 - 12 = 15$$

The range is 15.

Find the median.

4. 5, 7, 8, 8, 15, 23

5. 42, 48, 53, 54, 57, 59, 60, 61, 61

6. 22, 23, 26, 31, 38, 41, 45, 62

Remember:

Median is the middle number in a set of data. Arrange the numbers from least to greatest. The middle number is the median.

12, 15, 20, 21, 27

The median is 20.

Find the mean.

7. 5, 7, 8, 8, 15, 23

8. 42, 48, 53, 54, 57, 59, 60, 61, 61

9. 22, 23, 26, 31, 38, 41, 45, 62

Remember:

Mean is the average of a set of data. Add the numbers, then divide the sum of the numbers by the number of addends.

$$21 + 15 + 27 + 12 + 20 = 95$$

$$95 \div 5 = 19$$

The mean is 19.

Find the mode.

10. 5, 7, 8, 8, 15, 23

11. 42, 48, 53, 54, 57, 59, 60, 61, 61

12. 22, 23, 26, 31, 38, 41, 45, 62

Remember:

Mode is the number that appears the most often in a set of data. Some sets have no mode.

21, 15, 27, 12, 20

There is no mode.

23, 18, 6, 15, 6

The mode is 6.

At Bat

Complete each of the following to make a true math sentence.

1. $4 \text{ yards} = \underline{\hspace{2cm}}$ feet

2. $25\frac{1}{3} \text{ yards} = \underline{\hspace{2cm}}$ feet

3. $24 \text{ inches} = \underline{\hspace{2cm}}$ feet

4. $17.5 \text{ feet} = \underline{\hspace{2cm}}$ inches

5. $21 \text{ feet} = \underline{\hspace{2cm}}$ yards

6. $33 \text{ feet} = \underline{\hspace{2cm}}$ yards

7. $5 \text{ yards} = \underline{\hspace{2cm}}$ inches

8. $50 \text{ yards} = \underline{\hspace{2cm}}$ feet

9. $81 \text{ feet} = \underline{\hspace{2cm}}$ yards

10. $288 \text{ inches} = \underline{\hspace{2cm}}$ yards

Remember:

$$12 \text{ inches} = 1 \text{ foot}$$

$$3 \text{ feet} = 1 \text{ yard}$$



Skills:

Converting
Linear Units
of Customary
Measurement

Play Ball!

Play Ball

Skills:

Converting
Linear Units
of Metric
Measurement

What's Happening?

Complete each math sentence below with a value that makes the sentence true. Then write the corresponding letter in front of the math sentences. The letters will spell out what has just happened in the football game.

Remember:

10 millimeters = 1 centimeter

100 centimeters = 1 meter

1,000 meters = 1 kilometer

_____ centimeters = 400 millimeters

_____ 1,000 centimeters = meters

_____ meters = 200 centimeters

_____ meters = 5,000 centimeters

_____ centimeters = 1,000 millimeters

_____ 30 millimeters = centimeters

_____ meter = 1,000 millimeters

_____ kilometers = 2,000 meters

_____ 6,000 meters = kilometers

_____ kilometers = 4,000 meters

40 A

100 C

1 D

3 H

4 N

2 O

10 T

50 U

6 W

