"SPIN TO TEN" RECORDING SHEET
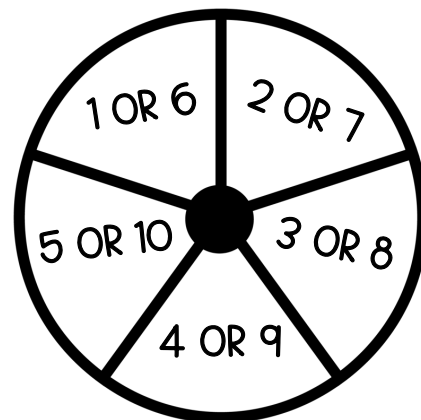
1

A. _____

B. _____

C. _____

D. _____

2

You will need _____ square feet of flooring for a total cost of _____ .

3

_____

4

_____

5

_____

6

area of backsplash: _____

area of tile: _____

number of tiles: _____

7

_____

8

_____

9

_____

10

_____

AREA OF QUADRILATERALS "SPIN TO TEN"

Using a paper clip and a pencil, spin the spinner to determine which questions to answer. Record your answers to each question on your recording sheet.
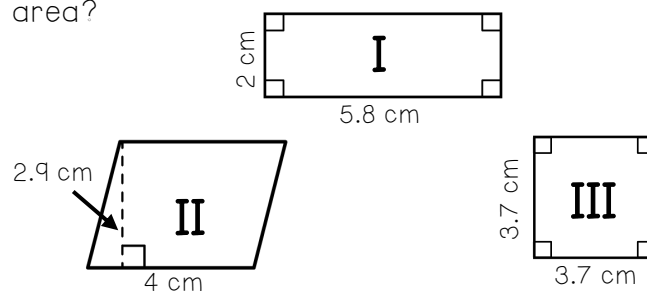
1 Determine if each statement below is true or false.

A. The formula to find the area of a square is $A = s^2$.

B. The formula to find the area of a rectangle is $A = bh$.

C. The formula to find the area of a parallelogram is $A = lw$.

D. The formula to find the area of a quadrilateral is $A = bh$.

1 OR 6   2 OR 7   5 OR 10   3 OR 8   4 OR 9

2 A rectangular living room is getting new wood floors. The flooring is priced at $5.86 per square foot, plus an $800.00 installation fee. The living room measures 18 feet by 13 feet. What is the total cost of the flooring and installation?
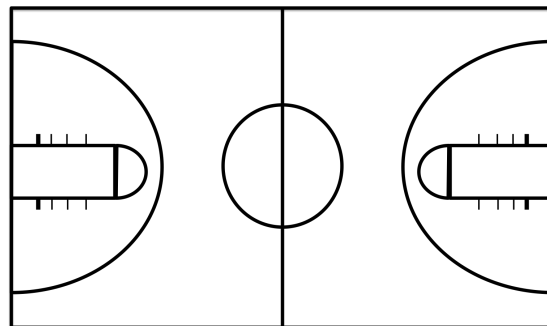
3 Which of the following figures have the same area?

I — 2 cm, 5.8 cm

II — 2.9 cm, 4 cm

III — 3.7 cm, 3.7 cm

A. Figures I and II   B. Figure II and III
C. Figures I and III   D. None of the above

4 A bright blue parallelogram is painted on a playground. It has a height of 16 feet and a length of a 23 feet. If one gallon of paint covers 175 square feet, how many gallons of paint are needed?

5 The area of a rectangular NBA basketball court is 4,700 square feet. The width of the court is 50 feet. What is the length of the court?

6 A rectangular backsplash is being covered with square shaped tiles, as shown below. How many square tiles will be needed to cover the backsplash?

2 ft
5 ft

4 in

7 Three clues are shared below. Use the clues to determine the missing measurement.

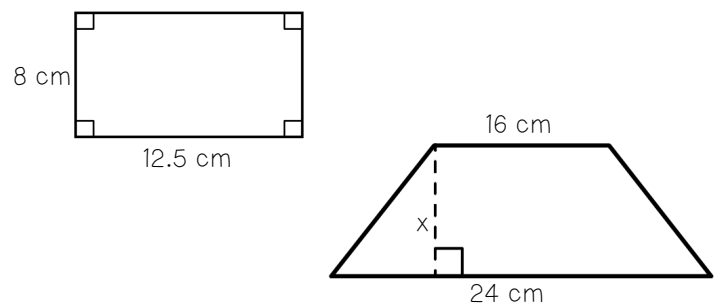Clue #1: this shape has four sides, one set is parallel

Clue #2: the area measures 40 meter squared

Clue #3: the height is 4 meters
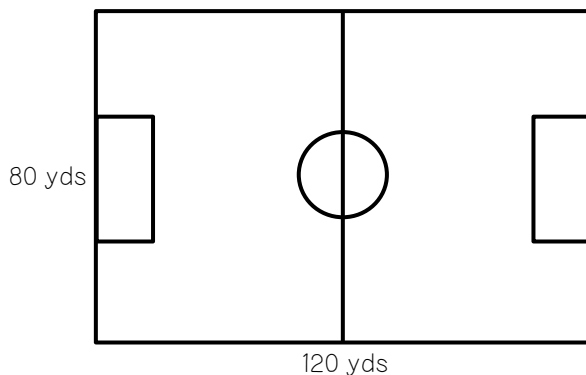
Clue #4: the shorter length is 6 meters

8 Ms. Brack wants to hang a bulletin board with polka dot paper. The bulletin board is 3.5 feet long and 2.5 feet wide. How much polka dot paper will she need to cover the board?

9 Determine the missing side length that would result in an equal area of both figures.
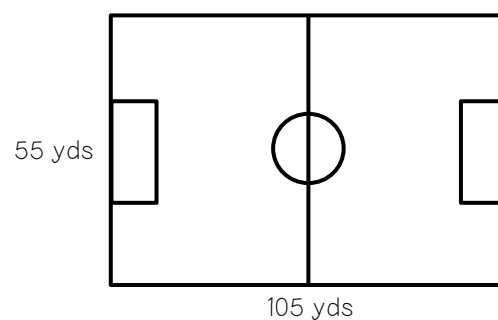
8 cm
12.5 cm

16 cm
x
24 cm

10 The size of a soccer field depends on the match being played. Determine how much more space an international match takes up on a rectangular field than a match for under 12 year olds.

INTERNATIONAL MATCHES

80 yds
120 yds

UNDER 12 MATCHES

55 yds
105 yds

Name **Answer Key**

Date _____ Pd_____

"SPIN TO TEN" RECORDING SHEET

1

A. _____ true _____

B. _____ true _____

C. _____ false _____

D. _____ false _____

2

You will need _____ 234 _____ square feet of flooring for a total

cost of _____ $2,171.24 _____ .

3

_____ A _____

4

_____ 3 gallons _____

5

_____ 94 feet _____

6

area of backsplash: _____ 1,440 in² _____

area of tile: _____ 16 in² _____

number of tiles: _____ 90 tiles _____

7

_____ 14 meters _____

8

_____ 8.75 ft² _____

9

_____ 5 cm _____

10

_____ 3825 yds² _____