

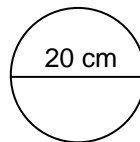
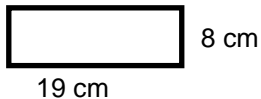
## Perimeter Exercises – 2

Match the names of the formulas listed in column A with the formulas listed in in column B. More than one item in column B may apply.

### Column A

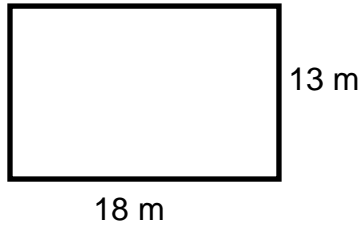
### Column B

- \_\_\_\_\_ 1) Perimeter of a triangle
- \_\_\_\_\_ 2) Perimeter of a rectangle
- \_\_\_\_\_ 3) Circumference of a circle
- \_\_\_\_\_ 4) Perimeter of a square
- 5) Perimeter is the \_\_\_\_\_ any geometric figure.
- 6) Circumference is the distance around what specific geometric figure? \_\_\_\_\_
- 7) Find the perimeter of a room that is 12 feet long and 8 feet wide.
- 8) Find the third side of a triangle whose perimeter is 30 cm and the two known sides are each 12 cm.
- 9) Find the diameter of a circle whose circumference is  $14\pi$ .
- 10) If the perimeter of a square is 64 inches, what is the length of one side?
- 11) Find the perimeter of the following rectangle.
- 12) Find the circumference of the circle below. (use  $\pi = 3.14$ )



- 1) C      3) A or D      5) distance around      7) 40 feet      9) 14 units      11) 54 cm  
2) E      4) B      6) circle      8) 6 cm      10) 16 inches      12) 62.8 m

- 13) Find the perimeter of this figure.



- 14) On a baseball field the distance from home plate to first base is 90 feet and the four bases are corners of a square. What is the distance run by a player that hits a home run?

- 15) Find the circumference of a circle with a radius of 19 meters. (use  $\pi = 3.14$ )

- 16) Richard made a rectangular pen for his pet. It was 6 feet wide and 21 feet long. How many feet of wire did he need for the pen allowing 1 foot extra for joining the fence?

- 17) John has a pool in his back yard a circumference of 66 feet. What length will he need to string bouys across the middle allowing an extra 12 inches on each end to tie it off. (use  $\pi = 3.14$ )

- 18) In Washington Park there is a circular flower bed 42 feet in diameter. How many rose bushes will be required to encircle the flower bed if they are planted 3 feet apart? (use  $\pi = 3.14$ )

- 19) Mr. Watson has a circular swimming pool on his estate which has a radius of 56 feet. How many feet of 8-foot wire fence are required to enclose it? (use  $\pi = 3.14$ )

- 20) Mr. Findley has a rectangular lot that measures 80 feet across the front and is 120 feet deep. He wishes to fence the sides and back with fencing that costs 98¢ a foot. He also wants to build a brick wall along the front that costs \$1.52 a foot. What will it cost Mr. Findley to enclose his lot?

13) 62 m

15) 119.32 m

17) 23 feet

19) 351.68 feet

14) 360 feet

16) 55 feet

18) 44 bushes

20) \$435.20