

Unit 1: Some Basic Rules for Mathematics

Section 1: Review of Basic Fundamentals

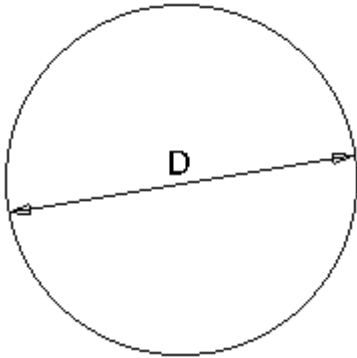
NUMERIC RESPONSE

$$\text{Circumference} = \pi \times D$$

D = Diameter of circle

$$\pi = 3.14$$

Carry the answer to two decimal places.



1. If: $D = 4$
What is the circumference of the circle?

ANS: 12.56

PTS: 1

2. If: $D = 2$
What is the circumference of the circle?

ANS: 6.28

PTS: 1

3. If: $D = 1.5$
What is the circumference of the circle?

ANS: 4.71

PTS: 1

4. A circle has a circumference of 10'. Find the diameter.

ANS: 3.18

PTS: 1

5. A circle has a circumference of 31.4 meters. What is the diameter?

ANS: 10

PTS: 1

6. If $X=2$, $Y=3$, and $Z=-1$, what is $(2X+Y) - Z$?

ANS: 8

PTS: 1

7. $3-(-3)=$

ANS: 0

PTS: 1

8. A business started out with one truck. The second year, two trucks were added. The third year, three trucks were added and one was retired. The insurance on each truck is \$100/month. How much was paid per month in the third year?

ANS: \$500

PTS: 1