

1. For a circular pizza as shown, use 3.14 as an estimate for π and:

a) Give the radius

10 in

b) Give the diameter

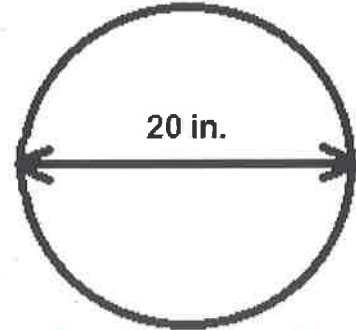
20 in

c) Calculate the area

$$A = \pi r^2$$

$$A = 3.14 (10 \text{ in})^2 = (3.14)(100) \text{ in}^2$$

$$314 \text{ in}^2$$



d) Calculate the circumference

$$C = \pi d = 3.14 (20 \text{ in})$$

$$= 62.8 \text{ in}$$

$$\begin{array}{r} 3.14 \\ \times 20 \\ \hline 6280 \end{array}$$

2. In a class, 32 students were on time, and 8 students were late. Write the ratio of late students to the total number of students, and reduce.

$$\frac{\text{late}}{\text{total}} = \frac{8}{32+8} = \frac{8}{40} = \frac{1}{5}$$