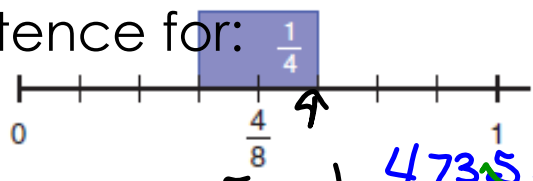


1) BEDMAS: $20 - 10 \div 5$ $20 - 2$ $10 \div 5 = 2$ $10 \div 5 = 2$

2) 10% of 25 = 2.5 $10\% \div 100 = 0.1$ $0.1 \times 25 = 2.5$ $10\% \div 100 = 0.1$ $0.1 \times 25 = 2.5$

3) 50% of 30 = 15 $50\% \div 100 = 0.5$ $0.5 \times 30 = 15$

4) Write a subtraction sentence for:



5) 1/3 of 15 $15 \div 3 = 5$

6) 20% of 20 = 4 $20\% \div 100 = 0.2$ $0.2 \times 20 = 4$

$\frac{5}{8} - \frac{1}{4}$ 4735

7) Change to a Mixed Fraction: $\frac{18}{4} = 4 \frac{2}{4} = 4 \frac{1}{2}$



8) $15 \times 20 = 300$

9) $12002 \div 2 = 6001$ 06001

10) What is the LCD for 3 and 5? 15

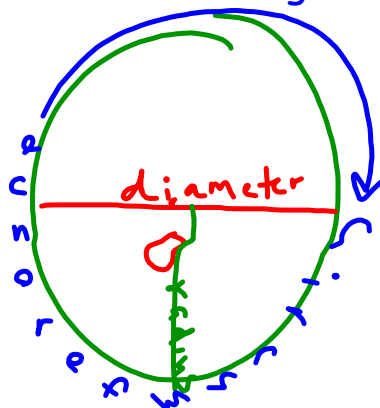
Draw and label a circle with the following:

centre

diameter

circumference

radius

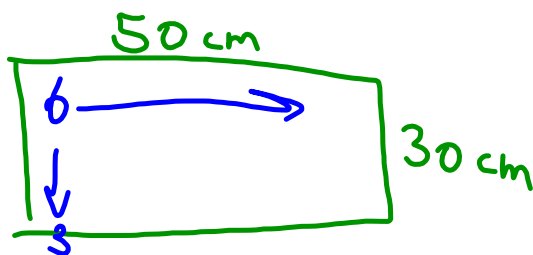


1) The diameter of a  is $\frac{1}{2}$ the radius.

2) The radius of a  is twice (2X) the diameter.

1 .-

A glass has a circular base with radius 3.5 cm.
 A rectangular tray has dimensions 50 cm by 30 cm.
 How many glasses will fit on the tray?
 What assumptions did you make?



diameter = 8 cm

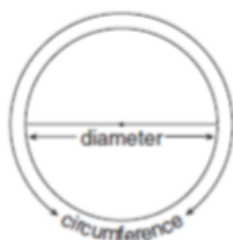
$$\frac{50}{8} = 6 \frac{2}{8}$$

$$\frac{30}{8} = 3 \frac{6}{8}$$

$$6 \times 3 = 18$$

18 glasses fit on the tray

To find the **Circumference** (**the distance all the way around**) of a circle, you follow this formula...



$$C = \pi d$$

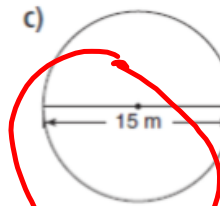
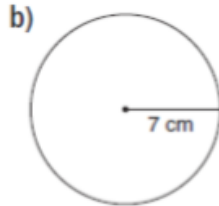
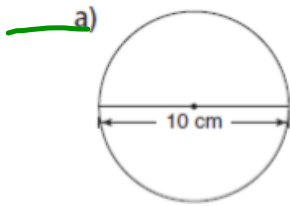


the circumference is approximately 3 times the diameter,

What if you are only given the radius????

True or False - the **bigger** the radius/diameter, the **bigger** the Circumference

Estimate to check the answers are reasonable.

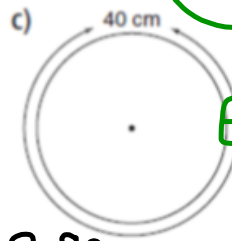
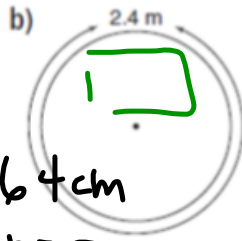
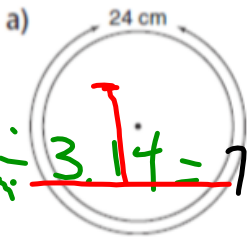


$\phi. 136$

2. Calculate the diameter and radius of each circle.

Give the answers to two decimal places.

Estimate to check the answers are reasonable.



$C = \pi d$
 $= 3.14 \times 10 \text{ cm}$
 $= 31.4 \text{ cm}$
 Est: $3 \times 10 = 30 \text{ cm}$

$d = 24 \div 3.14 = 7.64 \text{ cm}$

Est: $24 \text{ cm} \div 3 = 8 \text{ cm}$
 $r = 7.64 \div 2 = 3.82 \text{ cm}$
 $r = 8 \text{ cm} \div 3 = 2.66 \text{ cm}$

3. When you estimate to check the circumference, you use 3 instead of π .

Is the estimated circumference greater than or less than the actual circumference?

Why do you think so?

$C = \pi d$
 $d = \frac{C}{\pi}$
 $= \frac{24 \text{ cm}}{3.14}$

4. A circular garden has diameter 2.4 m.
- The garden is to be enclosed with plastic edging. How much edging is needed?
 - The edging costs \$4.53/m. What is the cost to edge the garden?



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$$C = \pi d$$

$$= 3.14 \times 2.4\text{m}$$

$$= 7.53\text{m}$$

$$\text{b) } 7.53\text{m} \times \$4.53$$

$$=$$

5. a) Suppose you double the diameter of a circle. What happens to the circumference?
- b) Suppose you triple the diameter of a circle. What happens to the circumference?
- Show your work.

Practise Page

Practice Pages...