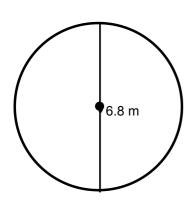
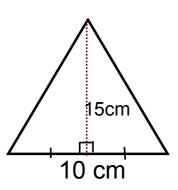




For each of the following Calculate the

- i) Area
- ii) perimeter/circumference





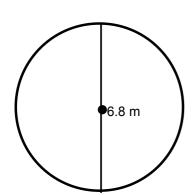


Grade 9 Warm Up



For each of the following Calculate the

- i) Area
- ii) perimeter/circumference

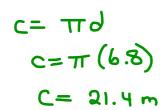


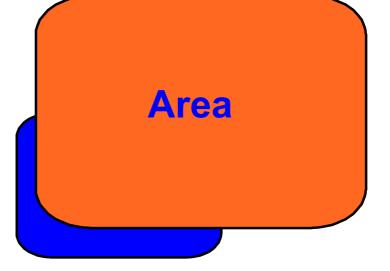
$$A = \pi r^{2}$$

$$A = \pi (3.4)^{2}$$

$$A = \pi (11.56)$$

$$A = 36.3 m^{2}$$





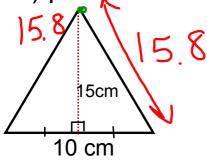


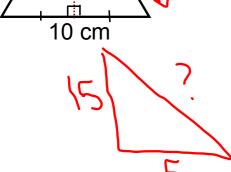
Grade 9



For each of the following Calculate the

- i) Area
- ii) perimeter/circumference





$$A = \frac{bxh}{2}$$

$$= \frac{10x15}{2}$$

$$= \frac{150}{2}$$

$$=75 cm^2$$

$$c^2 = 5^2 + 15^2$$

$$c^2 = 25 + 225$$

$$c = \sqrt{250}$$

$$c = 15.8 cm$$

P=s+s+s

P = 10+15.8+15.8

P= 41.6 cm

Perimeter

Intro to High School Math

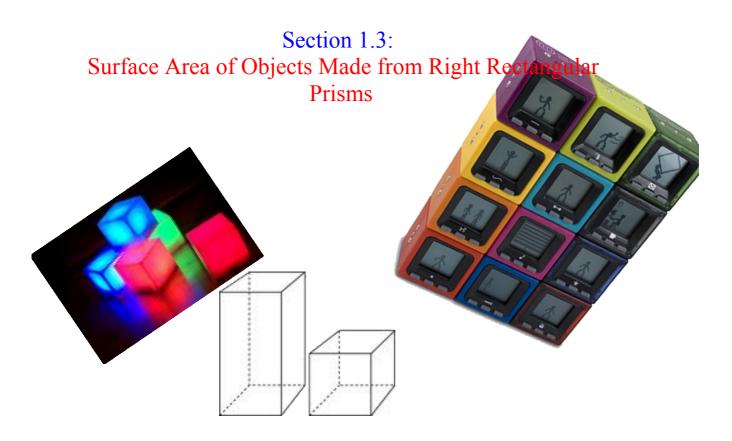


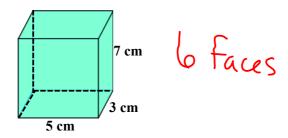
Figure	Name	Circumference	Area
(a)	square	P= a+a+a+a or P= 4a	A= (Side) ²
(b)	rectangle	P= l+w+l+w P= 2l+2w	A= Length x Width
$a \not \mid h$ $b \mapsto b$ (c)	parallelogram	P= a+b+a+b P= 2a+2b	A= Base x Height
a/h b (d)	triangle	P= a+b+c	A= <u>Base x Height</u> 2
$ \begin{array}{c c} & b_1 \\ & b_2 \\ \hline & b_2 \end{array} $ (e)	trapezoid	P= a+ b ₁ +c+b ₂	$A = \frac{(b_1 + b_2)}{2} \times \text{Height}$
(g)	circle	C= π d or C= 2 π r	_{A =} π r ²

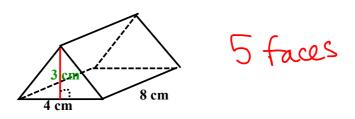
Surface Area

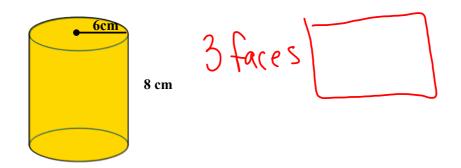
What do I mean when I say surface?

ans: Surface is the face of an object

How many surfaces does each shape have?







Surface Area

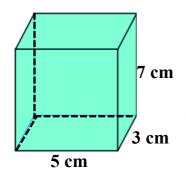
Copy Down

Surface area is the total area of all of the faces of the object.

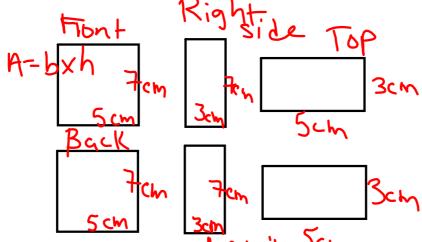
Steps needed to find Surface area are:

- 1. Draw all of the faces with dimensions displayed on them.
- 2. Find the area of each face.
- 3. Then add up the areas of all of the faces.

Determine the surfaces area of each shape?



1. Draw all of the faces with dimensions displayed on them.



2. Find the area of each face. Left side SCM

Front = 5 cm x 7 cm = 35 cm Rottom

Back = 5 cm x 7 cm = 35 cm²

Right side = 3 cm x 7 cm = 21 cm²

Left side = 3 cm x 7 cm = 21 cm²

Top = 5 cm x 3 cm = 15 cm²

Pottom = 5 cm x 3 cm = 15 cm²

3. Then add up the areas of all of the faces.

142 cm2

Determine the surfaces area of each shape?

