

~~WARMUP~~ PRACTICE WORKSHEET
GRADE 10 ESSENTIAL UNIT D - GEOMETRY

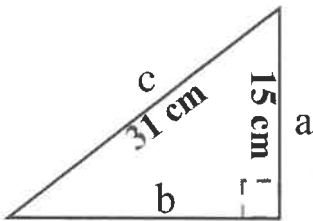
SHOW WORK (for you!) Show units! Use a calculator of course.

Use an accurate value of Pi on your calculator.

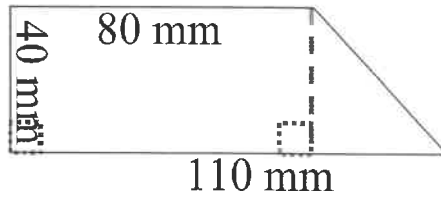
Use your Geometric Formula sheet(s)

Notice all of these questions are copied directly from your Unit D Workbook!!

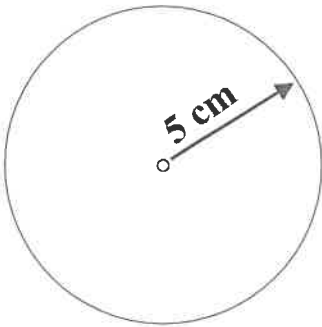
Find the perimeter - Triangle
(hypotenuse given).



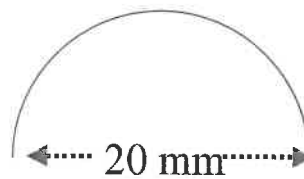
Find the perimeter of the Trapezoid



Calculate the circumference of the Circle



Calculate the length of the arc of the semi-circle

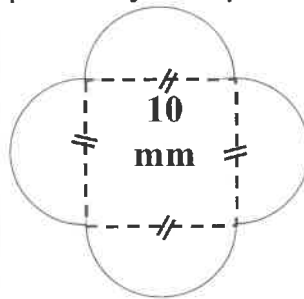


Calculate for a circle of circumference
10 ft 3 inches

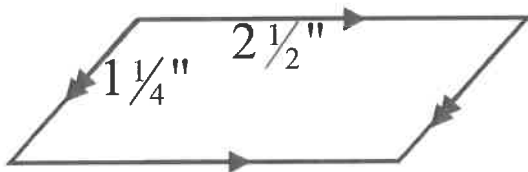
Radius = _____ (to nearest $1/4^{\text{th}}$
inch)

Diameter = _____ (to
nearest $1/4^{\text{th}}$ inch)

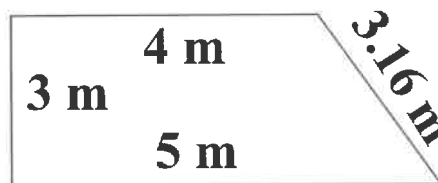
Find the perimeter of this this little flat
piece of jewelry:



Find the area of this Parallelogram

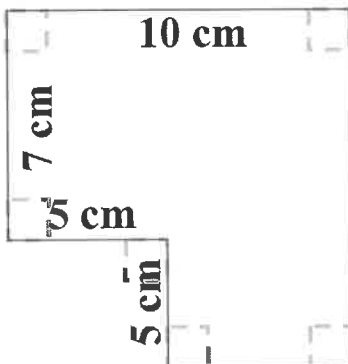


Find the area of this Trapezoid



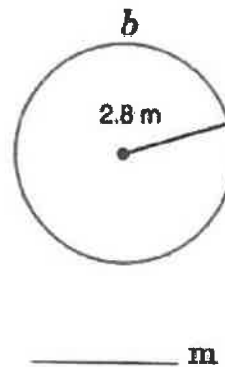
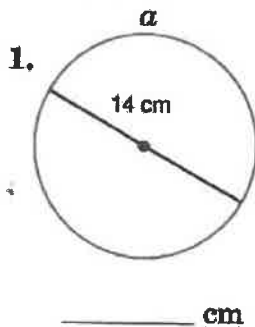
(trick!)

Find the Perimeter and Area of this
Irregular Rectilinear Shape



**GR10ESS
WARM UP AND QUIZ REVIEW**

Find the approximate circumference of each circle below. Use 3.14 for π .

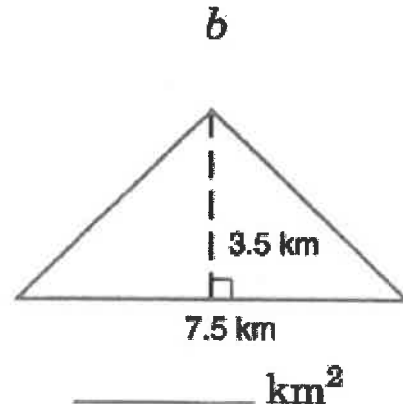
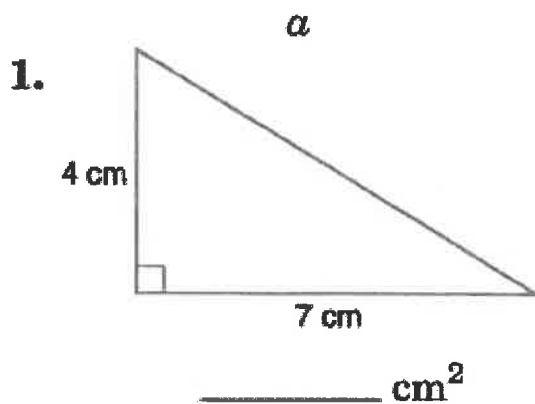


Try the above using an *accurate* value of π on your calculator. If you round to the nearest 0.01, what is the amount of difference? _____
What is the percentage of difference? _____

Complete the table:

	<i>a</i>		<i>b</i>	
	diameter	approximate circumference	radius	approximate circumference
2.	6 m	_____ m	21 mm	_____ mm
3.	15 cm	_____ cm	6.7 cm	_____ cm
4.	6.8 km	_____ km	48 cm	_____ cm

Find the area of each triangle below.



COMPLETE THE TABLE

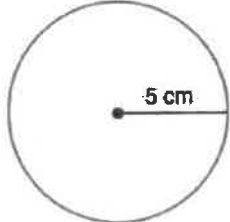
Find the area of each triangle described below.

	base	height	area
2.	15 m	9 m	_____ m ²
3.	3½ mm	6½ mm	_____ mm ²
4.	7.4 cm	6.5 cm	_____ cm ²

Find the approximate area of each circle below. Use 3.14 for π.

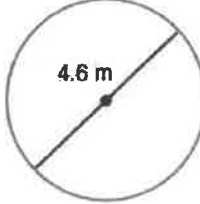
1.

a



_____ cm²

b



_____ m²

Find the approximate area of each circle described below. Use 3.14 for π.

<i>a</i>		<i>b</i>		
	radius		diameter	approximate area
2.	9 cm	_____ cm ²	28 mm	_____ mm ²
3.	14 mm	_____ mm ²	42 cm	_____ cm ²
4.	3½ m	_____ m ²	72 m	_____ m ²

1. The Redfords would like to build a fence around a rectangular lot. The lot is 140 m long and 50 m wide. How much fencing is needed?

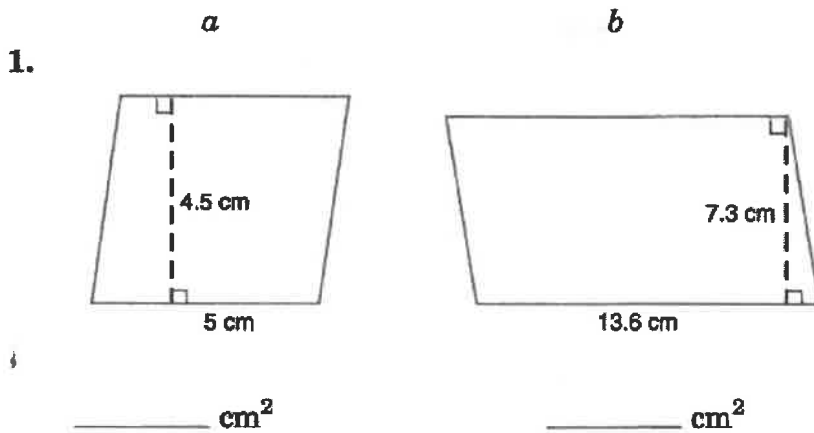
_____ m of fencing are needed.

2. What is the area of the lot in problem 1?

The area is _____ m².

1.	2.

Find the area of each parallelogram below.



Find the area of each parallelogram described below.

	base	height	area
2.	72 mm	24 mm	_____ mm^2
3.	7.5 cm	5 cm	_____ cm^2
4.	4.8 km	3.8 km	_____ km^2

1. The circumference of a wheel is 110 cm. What is the diameter of the wheel? What is the radius?

The diameter is about _____ cm.

The radius is about _____ cm.

What is the circumference measured in inches? _____

4. The circumference of a circular flower bed is 9.42 m.
What is the radius of the flower bed? What is the diameter of the flower bed?

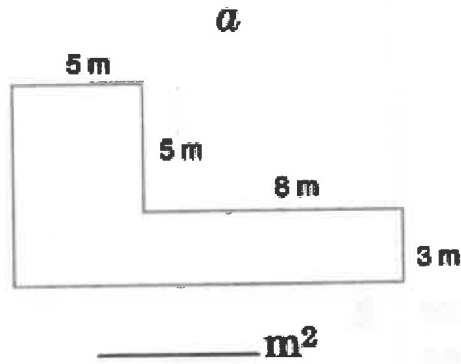
The radius is about _____ m.

The diameter is about _____ m.

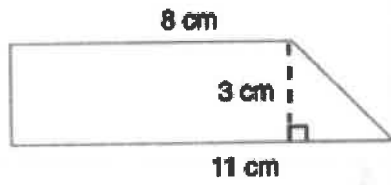
What is the diameter measured in units of feet and inches? _____

Find the area of each figure.

1.



2.



Find the area of the coloured part

4.

