

1. Draw the following triangles:

a)

$\triangle FLY$
 $LY = 7.5 \text{ cm}$
 $\angle F = 125^\circ$
 $FL = 3 \text{ cm}$
 $FY = \underline{\hspace{1cm}} \text{ cm}$

c)

$\triangle DOG$
 $DO = 5.5 \text{ cm}$
 $\angle G = 65^\circ$
 $DG = 4 \text{ cm}$
 $OG = \underline{\hspace{1cm}} \text{ cm}$

b)

$\triangle CAT$
 $CA = 6 \text{ cm}$
 $\angle T = 90^\circ$
 $CT = 4.5 \text{ cm}$
 $AT = \underline{\hspace{1cm}} \text{ cm}$

d)

$\triangle ROT$
 $RO = 7.5 \text{ cm}$
 $\angle T = 140^\circ$
 $RT = 3.5 \text{ cm}$
 $OT = \underline{\hspace{1cm}} \text{ cm}$

2. Create a polygon with the following set of properties

a) 4 sides

Regular polygon
 $P = 16 \text{ cm}$

d) 6 sides

Irregular concave polygon
 $P = 32 \text{ cm}$

b) 8 sides

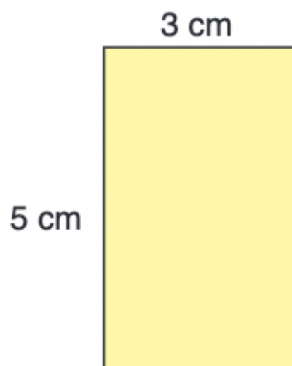
Regular convex polygon
 $P = 24 \text{ cm}$

e) 3 sides

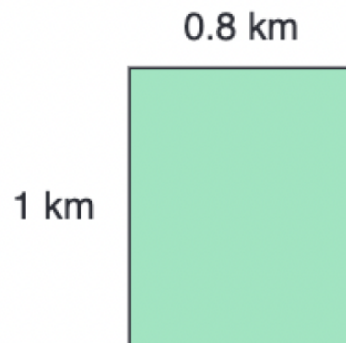
Acute isosceles triangle
 $P = 20 \text{ cm}$

3. Find the **area** and **perimeter** of each rectangle shown below. Be sure to include the units!

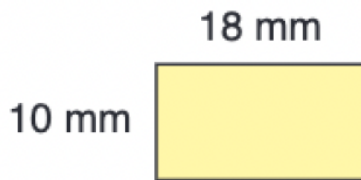
a)



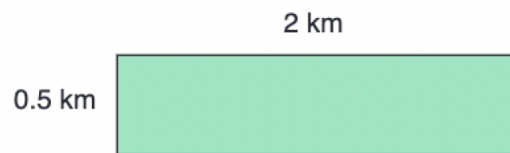
d)



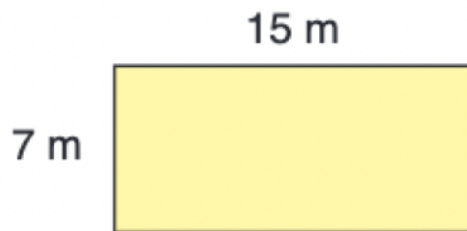
b)



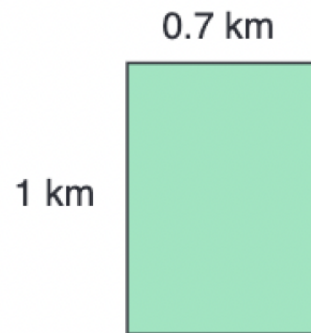
e)



c)



f)



4. Copy the chart below on to your lined piece of paper and fill in the missing values.

Rectangle	Length (cm)	Width (cm)	Perimeter (cm)	Area (cm ²)
A	4 cm	7 cm		
B		8 cm		40 cm ²
C	3.3 cm	5.7 cm		
D	7.5 cm	9.5 cm		
E	5.5 cm	4.3 cm		
F	6.8 cm	9.2 cm		