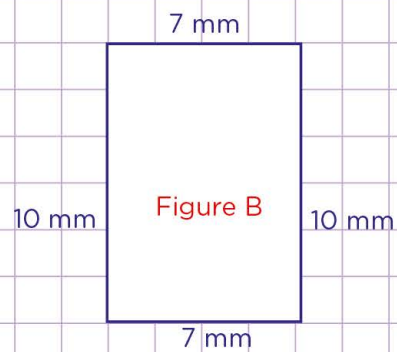
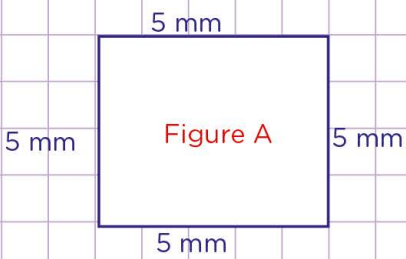


Name: ..... Class: .....

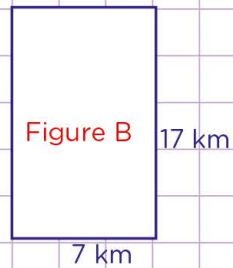
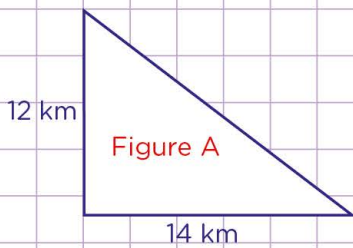
Compare area and perimeter of two figures.

Perimeter is the sum of all the lengths of a given figure.

1. Which figure has a greater perimeter?



2. Which figure has a greater area?

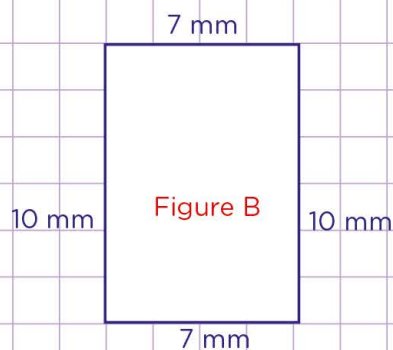
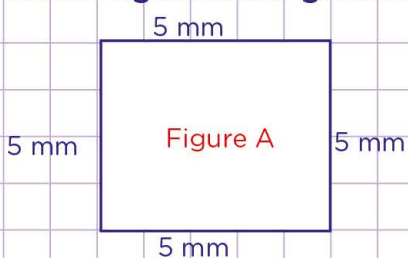


Name: ..... Class: .....

Compare area and perimeter of two figures.

Perimeter is the sum of all the lengths of a given figure.

**1. Which figure has a greater perimeter?**



Firstly, find the perimeter of both figures A and B.

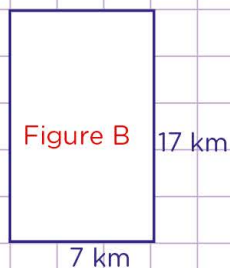
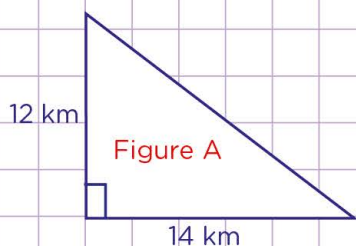
Perimeter of A =  $(5 + 5 + 5 + 5)\text{mm} = 20\text{ mm}$ .      Perimeter of B =  $(7 + 10 + 7 + 10)\text{mm} = 34\text{ mm}$

Secondly, compare both perimeters of figure A and B  $\longrightarrow 34\text{ mm} > 20\text{ mm}$

So, the perimeter of figure B is greater than the perimeter of figure A.

Therefore, figure B has a greater perimeter.

**2. Which figure has a greater area?**



Firstly, find the area of both figures A and B.

Area of triangle =  $\frac{1}{2} \times \text{base} \times \text{height}$ .

$\frac{1}{2} \times 14\text{km} \times 12\text{km} = 84\text{ square kilometers}$

Area of rectangle = Length  $\times$  Width

Area of rectangle =  $7\text{km} \times 17\text{km}$

=  $119\text{ square kilometers}$

Secondly, compare both areas of figure A and B  $\longrightarrow 119\text{ km}^2 > 84\text{ km}^2$

So, the area of figure B is greater than the area of figure A.

Therefore, figure B has a greater area.