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

Compare area and perimeter of two figures

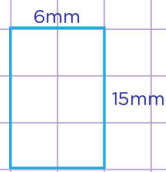**a.** Which figure below has a lesser perimeter?

7mm
13mm

Figure a

6mm
15mm

Figure b

c. Which of the following has a greater area?

10 ft
8 ft

Figure a

7 ft
11 ft

Figure b

b. Which figure below has a lesser perimeter?

6 in   6 in
6 in

Figure a

5 in   7 in
4 in
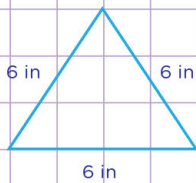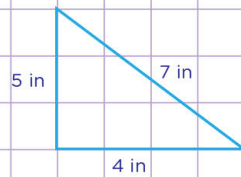
Figure b

d. Which figure below has a greater perimeter?
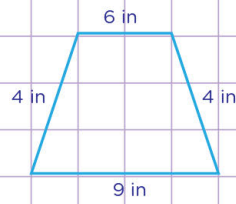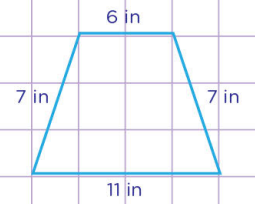
6 in
4 in   4 in
9 in

Figure a

6 in
7 in   7 in
11 in

Figure b

mathskills4kids

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

Compare area and perimeter of two figures

a. Which figure below has a lesser perimeter?

7mm   6mm

13mm 13mm   15mm 15mm

7mm   6mm

Figure a ✓   Figure b

Let's first of all find the perimeter of figure a
Perimeter = sum of all sides
=(7 + 13 + 7 + 13) mm = 40 millimeters
So, the perimeter of figure a = 40 millimeters
Secondly, let's find the perimeter of figure b
Perimeter = sum of all sides
= (15 + 6 + 15 + 6) mm = 42 millimeters.
Finally, let's find the perimeters of the two figures. You see that, the perimeter of figure a is less than that of figure b.
So, figure a has a lesser perimeter.

b. Which figure below has a lesser perimeter?

6 in   6 in   5 in   7 in

6 in   4 in

Figure a   Figure b ✓

c. Which of the following has a greater area?

10 ft   7 ft
            8 ft
                                    11 ft

Figure a ✓   Figure b

Let's first of all find the area of figure a
Area = length X width
      = 10 feet X 8 feet = 80 feet²
So, area of figure a = 80 sqaure feet
Secondly, let's find the area of figure b
Area = length x width
      = 11 feet X 7 feet = 77 feet²
So, area of figure b = 77 sqaure feet.
Finally, let's compare the areas of the two figures. You see that the area of figure a is greater than that of figure b.
So, figure a has a greater area.

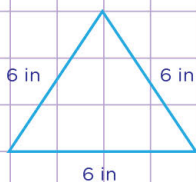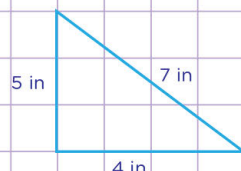**d.** Which figure below has a greater perimeter?

6 in   6 in

4 in   4 in   7 in   7 in

9 in   11 in

Figure a   Figure b ✓