Topic 12 Area and perimeter review

1. Find the perimeter of a rectangle that is 25cm wide and 16cm long.
	1. 100cm
	2. 82 cm2
	3. 82 cm
	4. 41 cm
2. Mr. Turner wants to make a playground with the greatest area possible but has only 200 ft of fence what should the dimensions be?
	1. 80 ft by 20 ft
	2. 50 ft by 50 ft
	3. 25 ft by 75 ft
	4. 60 ft by 40 ft
3. Find the Area of a rectangle that is 34 inches wide by 23 inches long.
	1. 728 in2
	2. 57 in2
	3. 78 in2
	4. 782 in2
4. What is the missing measure?

5 ft



?= 6 ft

2 ft

7 ft

2 ft

3 ft

2 ft

2 ft

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1. Mr. Andreassi wants to cover his window with fake snow. The window measures 6 ft long and 4 ft high. Which of the following can be used to find how much fake snow it will take to cover the window?
	1. A = 6 + 4
	2. A = 4 x 6
	3. A = 2(4 x 6)
	4. A = 4 + 6 x 2
2. The square and the octagon have the same size perimeter. Each figure is made up of sides of equal measure how long is each side of the octagon?

60 in

\_\_\_\_\_30 in\_\_\_\_

1. A rectangular pool measures 16 feet by 25 feet. There is a concrete walkway around the pool that is 4 feet wide. What is the perimeter of the outside border of the concrete?

Draw a picture and solve the problem below

Perimeter:

L = 4 + 25 + 4 = 33ft

W= 4 + 16 + 4 = 24 ft

P = 2(L + W)

P = 2 (33 + 24)

P = 2(57)

P= 114 ft

Picture

4 ft

25 ft

4 ft

4 ft

12 ft

4 ft

1. The same pool (16 feet by 25 feet) has a rectangular hot tub inside the pool that measures 4 feet by 6 feet what is the Area of only the pool?

Draw a picture and solve below.

Picture

Area:

A= L x W

A= 25 x 16

A= 400 ft2

A= 6 x 4

A = 24 ft2

400- 24 = 376 ft2

25 ft

6 ft

4 ft

12 ft

1. Find the perimeter of each figure.

$8\frac{2}{5}$ in

6.5 cm

6.75 cm

$\frac{}{}$

10. Find the Area of this figure.

$8\frac{2}{5}$ in

$8\frac{2}{5}$ in

$8\frac{2}{5}$ in

2.85 cm

33 3/5 in

16.1 cm

$$9\frac{3}{8}$$

114 27/32 units2

$$12\frac{1}{4}$$