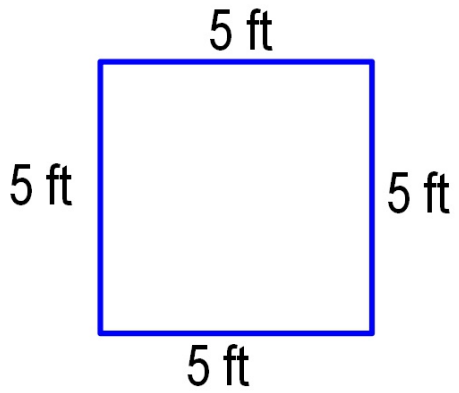
March 28, 2012

M7R

Get out WS1

3/28 - Area/Perimeter of Squares/Rectangles



Find the perimeter of the square.

Perimeter = 20 ft

12cm

Find the perimeter of the square.

12cm 12cm 12cm 12cm

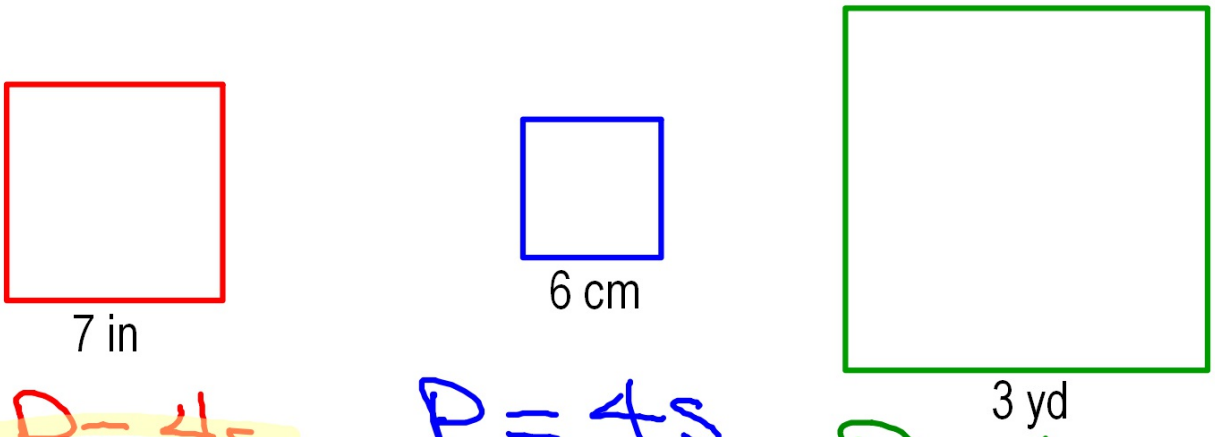
P = 48 cm

SQUARES

Shortcut: Perimeter = 4 x length of the side

P = 4s

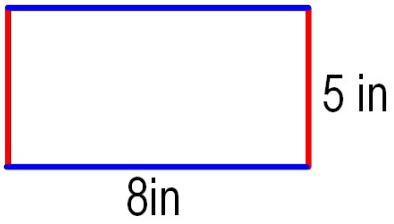
Find the perimeter of the squares.



$P = 4s$
$P = 4 \cdot 7$
$P = 28$ in

$P = 4s$
$P = 4 \cdot 6$
$P = 24$ cm

$P = 4s$
$P = 4 \cdot 3$
$P = 12$ yd



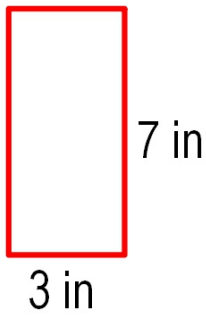
Find the perimeter of the rectangle

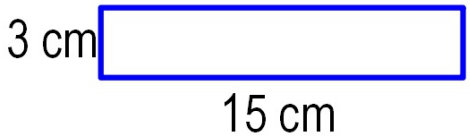
$$\underbrace{8in + 8in}_{2 \cdot 8} + \underbrace{5in + 5in}_{2 \cdot 5} = 26\ in$$

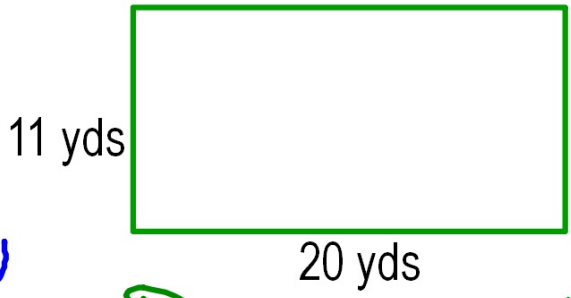
Shortcut: Perimeter = 2 lengths + 2 widths

P = 2L + 2W

Find the perimeter of the rectangles







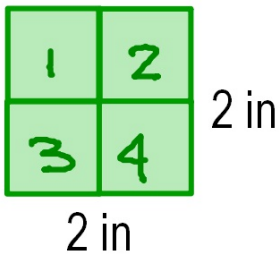
$P = 2L + 2W$
$= 2 \cdot 7 + 2 \cdot 3$
$= 14 + 6$
$= 20$ in

$P = 2L + 2W$
$P = 2 \cdot 15 + 2 \cdot 3$
$= 30 + 6$
$= 36$ cm

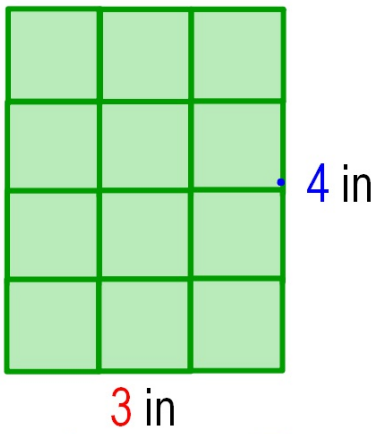
$P = 2L + 2W$

62 yd

Find the AREA of each.



$4\ in^2$

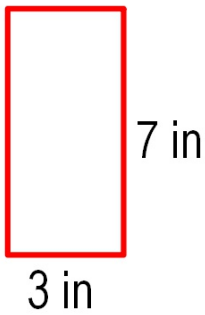


$12\ in^2$

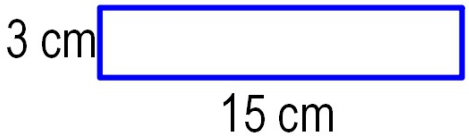
Formula: Area = # of squares across x # of squares going up

$$A = LW$$

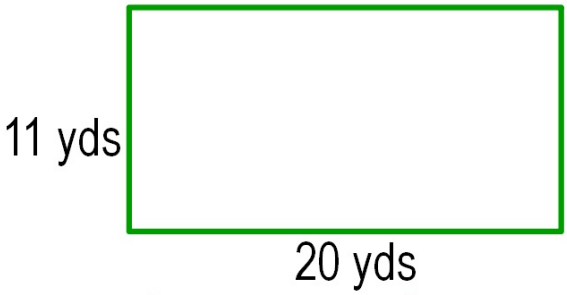
Find the area of each rectangle.



$A = LW$
$= 3 \cdot 7$
$= 21 \text{ in}^2$



$A = LW$
$= 15 \cdot 3$
$= 45 \text{ cm}^2$



$A = LW$
$= 20 \cdot 11$
$= 220 \text{ yd}^2$

Homework

Pink Geometry WS2

Due Thursday