B1 Reference Sheet!

Note Title 04/12/2014

Fig 1 Fig 2 Fig 3 Fig 4




Each edge is 2cm Long.

x	Figure #	1	2	3	4
y	Perimeter	6	8	10	12

+1

+2

outside distance "fence"

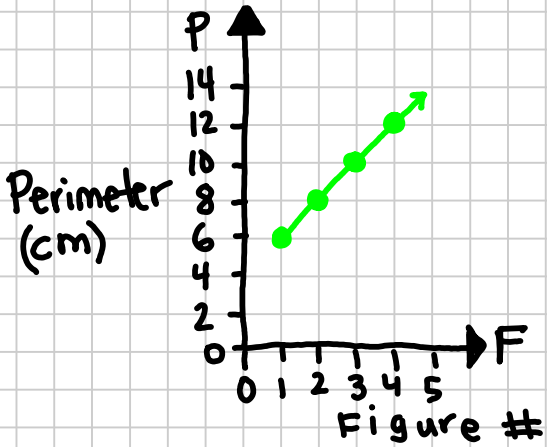
check our equation

$P = \frac{2}{1}F + 4$

pattern

SLOPE → 2 up 1 over

y-intercept



What is the Perimeter on figure #

a) 20?

$P = \frac{2}{1}F + 4$

$\frac{2}{1}(20)$

40 +4

P = 44 cm

b) 35?

$P = \frac{2}{1}F + 4$

$\frac{2}{1}(35)$

70+4

P = 74 cm

2. Evaluate each equation using the given value. Identify slope and y-int.

a) $y = 3x - 1$ $\quad x = 5$

$3(5)$

$15 - 1$

$y = 14$

y-int = -1

Slope = $\frac{3}{1}$ 3up 1over

b) $y = -5x + 2$ $\quad x = 2$

$-5(2)$

$-10 + 2$

$y = -8$

y-int = $+2$

Slope = $\frac{-5}{1}$ 5down 1over

c) $y = -4x$ $\quad x = -5$

$-4(-5)$

$y = 20$

y-int = 0

Slope = $\frac{-4}{1}$ 4down 1over

★ When Multiplying and/or Dividing ★

Pos $\times \div$ Pos = Pos

Neg $\times \div$ Neg = Pos.

Same sign → ⊕

Pos $\times \div$ Neg = Neg

Different signs → ⊖