

Word Problems

ex(1): a) five ⁺ more ^{turn around} than ^x -3 times a ⁿ number is 11.

$$-3n + 5 = 11$$

$$\frac{-3n}{-3} = \frac{6}{-3}$$

$$n = -2$$

Verify:

$$-3n + 5 = 11$$

$$-3(-2) + 5$$

$$6 + 5$$

$$11$$

(ü) ✓

ex(2): The cost to buy school uniforms is \$100 flat rate plus \$55 per person. The total cost was \$1375. How many people ordered uniforms?

n = # of people who ordered.

$$55n + 100 = 1375$$

$$\frac{55n}{55} = \frac{1275}{55}$$

$n = 23.2$ So, about 23 people ordered.