

Algebra Bellwork - November 1, 2011

The art club is selling student paintings for \$8. Write an inequality to find out how many paintings they must sell to earn at least \$250.

El club de arte vende cuadros por \$8. Escribe una desigualdad para averiguar cuántos cuadros deben vender para ganar al menos \$250.

النادي يبيع لوحات فنية بمبلغ 8 دولار. كتابة التفاوت لمعرفة كيفية العديد من اللوحات التي يجب بيعها لكسب ما لا يقل عن 250 دولارا.

Check your answers:

- | | |
|--------------------------------|--------------------------------|
| 1) 5 | 15) $4.5 > r$, open, left |
| 3) 4.3 | 17) $b < 1/2$, open, left |
| 5) $t < 1$, open, left | 19) 2 |
| 7) $10 \leq d$, closed, right | 21) 3.1 |
| 9) r closed, left | 23) $m > -8$, open, right |
| 11) $3 < d$, open, right | 25) $-6 \geq a$, closed, left |
| 13) $10/3 > q$, open, left | |

How long does it take a plastic bottle to decompose?

A glass bottle?



Time it takes for garbage to decompose in the environment:

Glass Bottle.....	1 million years
Monofilament Fishing Line...	600 years
Plastic Beverage Bottles.....	450 years
Disposable Diapers.....	450 years
Aluminum Can.....	80-200 years
Foamed Plastic Buoy.....	80 years
Foamed Plastic Cups.....	50 years
Rubber-Boot Sole.....	50-80 years
Tin Cans.....	50 years
Leather.....	50 years
Nylon Fabric.....	30-40 years
Plastic Film Container.....	20-30 years
Plastic Bag.....	10-20 years
Cigarette Butt.....	1-5 years
Wool Sock.....	1-5 years
Plywood.....	1-3 years
Waxed Milk Carton.....	3 months
Apple Core.....	2 months
Newspaper.....	6 weeks
Orange or Banana Peel.....	2-5 weeks
Paper Towel.....	2-4 weeks

The art club is selling student paintings for \$8. Write an inequality to find out how many paintings they must sell to earn at least \$250.

x = Number of paintings

$$8x \geq 250$$

$$x \geq 31.25$$

32 paintings

$$\begin{array}{r} 31.25 \\ 8 \overline{) 250.00} \\ \underline{24} \\ 10 \\ \underline{8} \\ 20 \\ \underline{16} \\ 40 \end{array}$$