

$$\frac{2(.351) + .5592}{-.4} = \frac{.702 + .5592}{-.4}$$

$$= \frac{1.2612}{-.4} = -3.153$$

⊖ .4 →
(- mean negative answer)

like

$$5a. \quad 100 \overset{1 \text{ place}}{(\cdot 5 y)} + \overset{1 \text{ place}}{2 \cdot 3} = \overset{2 \text{ places}}{(1.65)} 100$$

example 6. mult. both sides of the equation

Q. 380

by the power of ten
corresponding to the largest
number of decimal places

2 places $\Rightarrow 10^2$ 100

3 places $\Rightarrow 10^3$ 1000

4 places $\Rightarrow 10^4$ 10000

10 to the 4th power

10^5 10 to the fifth

$$100(.5y + 2.3) = (1.65)100$$

$$50y + 230 = 165$$

$$\underline{-230} \quad \underline{-230}$$

$$50y = \frac{-65}{50} = -1.3$$

$$50y = -1.3$$

$$5(-1.3) + 2.3 \stackrel{?}{=} 1.65$$

$$-6.5 + 2.3 \stackrel{?}{=} 1.65$$

$$1.65 \stackrel{\checkmark}{=} 1.65$$

$$\sum -1.3$$

$$5a. 10(4x - 8.3) = (30.5)10$$

$$4x - 83 = 305$$
$$\begin{array}{r} + 83 \\ \hline \end{array}$$

$$4x = \frac{388}{4}$$

$$x = 97$$

61 pts.

$$4(97) - 8.3 \stackrel{?}{=} 30.5$$

$$38.8 - 8.3 \stackrel{?}{=} 30.5$$

$$30.5 = 30.5 \checkmark$$

{97}

like 7a.

$$\frac{\frac{124}{17}}{\frac{20}{13}} =$$

invert the division
& convert to mult.
Cancel & done.

$$\frac{\cancel{3}124}{17} \cdot \frac{13}{\cancel{20}} = \frac{394}{85}$$

top times top
bottom times bottom

2501.72 rep. the amount to be paid off.

73.58 rep. the amount paid per month

X rep the number of months
(monthly payments)

The amount paid per month times the number of months equals the amount to be paid off

$$\frac{73.58 X}{73.58} = \frac{2501.72}{73.58}$$

$x = 34$

$$73.58(34) \stackrel{?}{=} 2506.72$$
$$2501.72 = 2501.72$$
$$\{34\}$$

The number of months is 34

It takes 34 months to pay it off. OR

