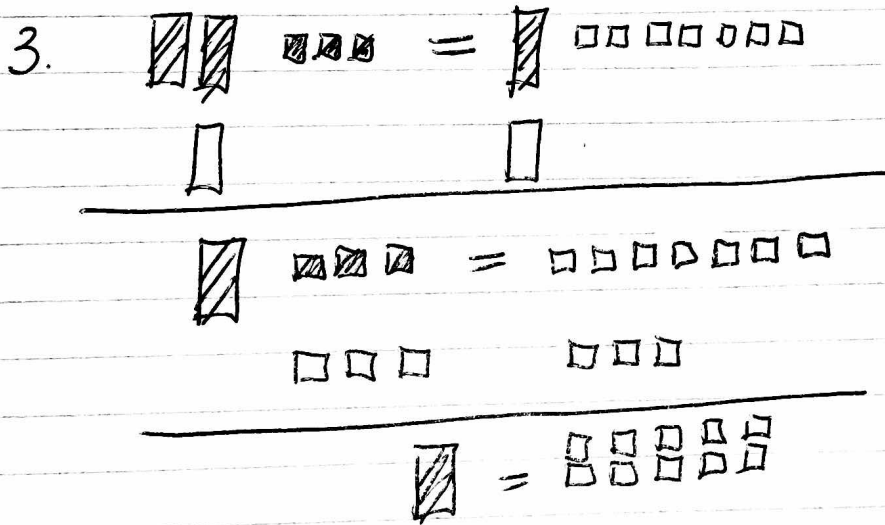


Flashback # 6

1. Charges = $4 + 11 \cdot 1.25$
 $= \underline{\underline{\$17.75}}$

2. $y = 2x - 1 \rightarrow 1, 3, 5, \dots$
 $y = -4x + 3 \rightarrow -1, -5, -9, \dots$
 $y = 2x + 5 \rightarrow 7, 9, 11, \dots$
 $y = 4x + 7 \rightarrow 11, 15, 19, \dots$
 $y = -2x - 9 \rightarrow -11, -13, -15, \dots$



4. $3 + -20$	Negative	smaller	left on numberline
$-4 \cdot -26$	Positive	bigger	+ # bigger than - #s
$5 - -12$	Positive	bigger	double neg → add →
$510 \div -25$	Negative	Smaller	whole ÷ whole = smaller
$-\frac{1}{2} \cdot \frac{3}{4}$	Negative	bigger	normally fract fract is smaller but on neg side switches around
$4\frac{2}{3} + 2$	Positive	bigger	when add more on →
$-\frac{5}{6} - \frac{2}{3}$	Negative	smaller	farther left

$$5. \quad 6x(2x-3) + 7(7x-10) - 5x^2 + 8x + 10$$

$$\underline{12x^2} \underline{-18x} \underline{+7x} \underline{-10} \underline{-5x^2} \underline{+8x} \underline{+10}$$

$$7x^2 - 3x \quad \text{b) Binomial}$$

a) coefficients $7 \neq -3$

$$6. \quad -2.7 = 3(x + 3.2)$$

$$(-2.7 = 3x + 9.6) \times 10$$

$$\begin{array}{r} -27 = 30x + 96 \\ -96 \qquad -96 \\ \hline -123 = 30x \\ \hline \frac{-123}{30} = \frac{30x}{30} \end{array}$$

$$\begin{array}{r} \text{check} \\ -2.7 \mid 3\left(\frac{-123}{30} + 3.2\right) \\ \hline \frac{-123}{10} + 9.6 \\ -12.3 + 9.6 \\ \hline -2.7 \mid -2.7 \end{array}$$

$$7. \quad \frac{d}{a} \frac{1}{4} = \frac{6.5}{x} \quad x = 26 \text{ cm.}$$

$$8. \quad \text{Top box: } 2(8 \times 3) + 2(3 \times 4) + 2(8 \times 4) = 136$$

$$\text{Bottom box: } 2(24 \times 6) + 2(4 \times 6) + 2(24 \times 4) = 528$$

$$\text{Overlap: } 2(8 \times 4) = 64$$

$$SA = 700 \text{ cm}^2$$

$$9. \quad \frac{12(x^{15})}{3 \times 13} \rightarrow 4x^2$$

10. Perfect Squares?

$$16 \checkmark$$

$$(4 \times 4)$$

$$10 \times$$

$$\frac{1}{25} \checkmark$$

$$\frac{1}{5} \cdot \frac{1}{5}$$

$$0.49$$

$$\frac{49}{100} \checkmark$$

$$-100 \times$$

$$\frac{7}{10} \cdot \frac{7}{10}$$