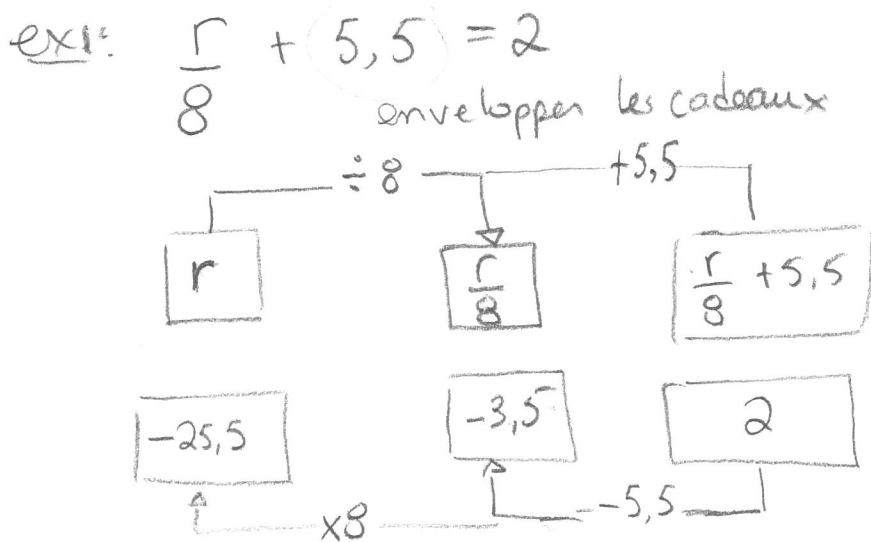


## 6.2. Résoudre des équations en utilisant la méthode "balance à plateau"

Le 6 mai,  
2016.

retour → 6.1 → les opérations inverses



Méthode algébrique

$$\frac{r}{8} + 5,5 = 2$$

$$\frac{r}{8} = 2 - 5,5$$

$$\frac{r}{8} = -3,5 \quad (8)$$

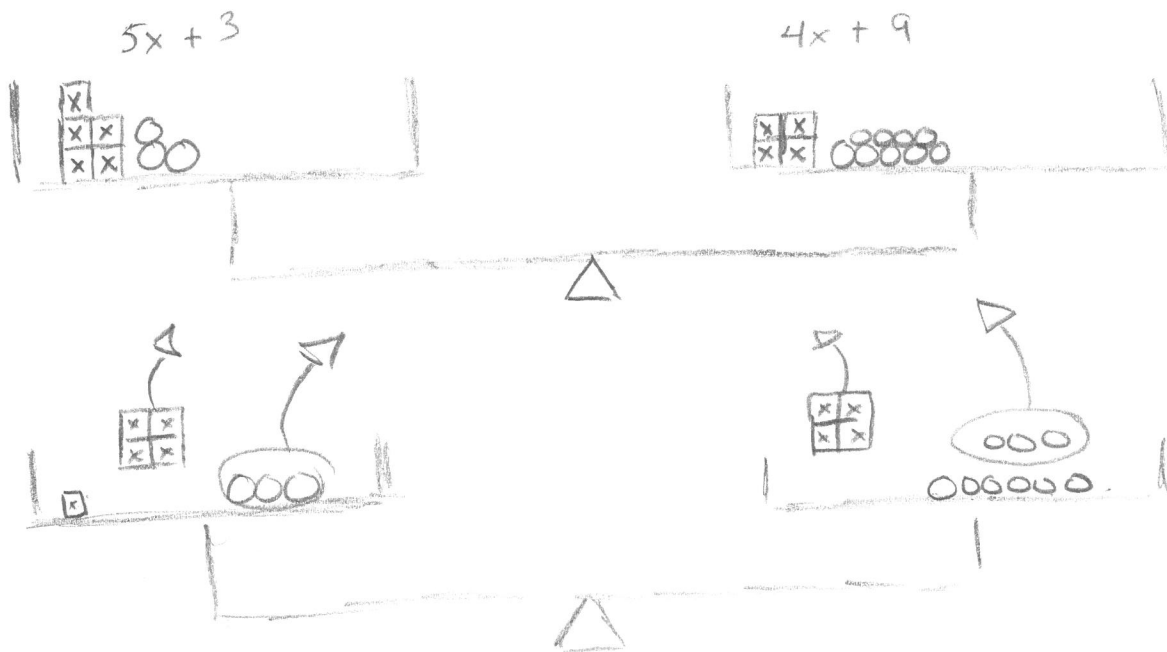
$$r = -25,5$$

$$\text{Ex 3: } 5x + 3 = 9 + 4x$$

$$5x - 4x = 9 - 3 + \cancel{4x} - \cancel{4x}$$

$$5x - 4x = 6$$

$$x = 6$$



6.2 p. 280-281-282-283

# 4, 6, 8, 10, 11ac, 17ac, 19ac, 21ac

Retour → 6.2 (p. 282)

$$\# 19) \left( \frac{1}{3} (5-3t) = \frac{5}{6} (t-2) \right) \times 6$$

$$\frac{6}{3} (5-3t) = \frac{30}{6} (t-2)$$

$$2(5-3t) = 5(t-2)$$

$$10 - 6t = 5t - 10$$

$$10 + 10 = 5t + 6t - 10 + 10$$

$$\frac{20}{11} = \frac{11t}{11}$$

$$t = \frac{20}{11}$$

$$t = 1 \frac{9}{11}$$

$$d) \left( \frac{2}{3} (6x+5) = \frac{4}{5} (20x-7) \right) \times 15$$

$$\frac{30}{3} (6x+5) = \frac{60}{5} (20x-7)$$

$$10(6x+5) = 12(20x-7)$$

$$60x + 50 = 240x - 84$$

$$50 + 84 = 240x - 60x - 84 + 84$$

$$\frac{134}{180} = \frac{180x}{180} \quad x = \frac{134}{180} \quad x = \frac{67}{90}$$

$$\frac{101}{2} \left( \frac{1}{2}x = 3 \right) \times 2$$
$$\frac{2}{2}x = 6$$
$$x = 6$$

$$\frac{1}{3} (5-3t) = \frac{5}{6} (t-2)$$
$$\left( \frac{5-t}{3} = \frac{5t-10}{6} \right) \times 6$$

$$10 - 6t = 5t - 10$$

⋮