

Corrigé

a) $S = 1 + 2 + \dots + 15$

$$S = \frac{15 \times 16}{2} = 120$$

b) $S = 1 + 2 + \dots + 7$

$$S = \frac{7 \times 8}{2} = 28$$

c) $S = 8 + 9 + \dots + 15$

$$S = 1 + 2 + \dots + 15 - (1 + 2 + \dots + 7)$$

$$S = 120 - 28$$

$$S = 92$$

d) $S = 7 + 8 + \dots + 50$

$$S = 1 + 2 + \dots + 50 - (1 + 2 + \dots + 6)$$

$$S = \frac{50 \times 51}{2} - \frac{6 \times 7}{2}$$

$$S = 1\,254$$