

N5 Home Exercise 1A

$$1) \quad 4 \frac{7}{8} - 2 \frac{2}{3}$$

$$= \frac{39}{8} - \frac{8}{3}$$

$$= \frac{39 \times 3}{8 \times 3} - \frac{8 \times 8}{3 \times 8}$$

$$= \frac{117}{24} - \frac{64}{24}$$

$$= \boxed{\frac{53}{24} \left(= 2 \frac{5}{24} \right)}$$

$$2) \quad 14 - 4 \times 3$$

$$= 14 - 12$$

$$= \boxed{2}$$

$$3) \quad \text{Reduction} = 25\% \text{ of } \pounds 28$$

$$= \pounds 28 \div 4$$

$$= \underline{\pounds 7}$$

$$\therefore \text{Sale price} = \pounds 28 - \pounds 7$$

$$\Rightarrow \boxed{\text{Sale price} = \pounds 21}$$

$$4) \quad a^\circ = 43^\circ \text{ (vertically opposite to } 43^\circ)$$

$$b^\circ = 180^\circ - 43^\circ$$

$$\Rightarrow b^\circ = 137^\circ \text{ (supplementary to } a^\circ)$$

$$c^\circ = 43^\circ \text{ (alternate to } 43^\circ)$$

$$d^\circ = 43^\circ \text{ (vertically opposite to } c^\circ)$$

$$5) \quad T = 3 \text{ h } 15 \text{ min.} \Rightarrow T = \underline{3.25 \text{ h}}$$

$$S = D \div T$$

$$\therefore S = 364 \div 3.25$$

$$\Rightarrow S = 112 \text{ km/h}$$

$$6) \quad A = 2.654 \times 10^{15}, B = 8.092 \times 10^7.$$

$$AB = (2.654 \times 10^{15}) \times (8.092 \times 10^7)$$

$$\Rightarrow AB = (2.654 \times 8.092) \times (10^{15} \times 10^7)$$

$$\Rightarrow AB = 21.476168 \times 10^{22}$$

$$\Rightarrow AB = \underline{2.1476168 \times 10^{23}}$$

$$\therefore AB = 2.15 \times 10^{23} \text{ (3 s.f.)}$$