

1.5 Answers

1.5.1 Solutions (Introductory Example)

- (i) $T = \{ \text{red, amber, green} \}$
- (ii) $S = \{ \text{seasons} \}$
- (iii) $P = \{ \text{planets in the solar system} \}$
The dot, dot, dot indicates that not all members of the set are listed
- (iv) $M = \{ \text{iron, steel, mercury, aluminium, ...} \}$

1.5.2 Solutions (1.3 Exercise)

1 mark for each correct answer + 1 Bonus

- (i) $S = \{ \text{Tuesday, Wednesday, Thursday, Saturday, Sunday} \}$
- (ii) $V = \{ \text{Vowels} \}$
- (iii) $F = \{ 1, 2, 3, 4, 6, 8, 12, 24 \}$
- (iv) $A = \{ \text{Simple arithmetic symbols} \}$
- (v) $P = \{ 2, 3, 5, 7, 11, 13, 17, 19 \}$
- (vi) $C = \{ 1p, 2p \}$
- (vii) $G = \{ \text{Greek letters} \}$
- (viii) $E = \{ 2 \}$
- (ix) $P = \{ \text{Powers of 2} \}$
The ... means that not all members of the set are listed.
- (x) $O = \{ 1, 3, 5, 7, 9, 11, 13, 15, ... \}$
- (xi) $D = \{ \text{Faces of a six sided die} \}$
- (xii) $F = \{ 1, 17 \}$
- (xiii) $M = \{ 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55 \}$
- (xiv) $R = \{ \text{Roman number symbols} \}$
- (xv) $R = \{ \text{colours of the rainbow} \}$
- (xvi) $S = \{ \text{playing card suits} \}$
- (xvii) $M = \{ \text{Apple iPhone, Nokia, BlackBerry, ...} \}$
- (xviii) $C = \{ \text{crisp flavours} \}$
- (xix) $S = \{ 1, 4, 9, 16, 25, 36, 49, ... \}$
- (xx) $T = \{ 1, 3, 6, 10, 15, 21, ... \}$