

$$Q1) 360 - 305 = 55^\circ$$

$$x = 55^\circ$$

$$Q2) 360 - 150 = 210^\circ$$

$$x = 210^\circ$$

$$Q3) 110 + 90 = 200^\circ$$

$$360 - 200 = 160^\circ$$

$$x = 160^\circ$$

$$Q4) 102 + 98 + 55 = 255^\circ$$

$$360 - 255 = 105^\circ$$

$$Q5) 120 + 40 + 95 = 255^\circ$$

$$360 - 255 = 105^\circ$$

$$x = 105^\circ$$

$$Q6) b = 70^\circ$$

$$70 + 70 = 140$$

$$360 - 140 = 220^\circ$$

$$220 \div 2 = 110$$

$$110^\circ = a \text{ and } c$$

$$Q7) b = 86^\circ$$

$$86 + 86 = 172^\circ$$

$$360 - 172 = 188^\circ$$

$$188 \div 2 = 94^\circ$$

$$94^\circ = c \text{ and } a$$

$$Q8) 360 - 68 = 292^\circ$$

$$292 \div 2 = 146^\circ$$

$$x = 146^\circ$$

$$Q9) 360 \div 2$$

$$x = 72^\circ$$

$$Q10) 5x + 2$$

$$12x = 3$$

$$12$$

$$x = 30$$

$$2x = 60$$

$$3x = 90$$

$$5x = 150$$

$$Q11) 2x + 3$$

$$6x + 8$$

$$-8$$

$$6x = 2$$

$$6$$

$$x = 46$$

$$2x = 92$$

$$3x = 138$$



$$Q9 \quad 360 \div 5 = 72^\circ$$

$$x = 72^\circ$$

$$Q10 \quad 5x + 2x + 2x + 3x = 12x$$

$$12x = 360$$

$$\frac{12x}{12} = \frac{360}{12}$$

$$x = 30^\circ$$

$$2x = 60^\circ$$

$$3x = 90^\circ$$

$$5x = 150^\circ$$

$$Q11 \quad 2x + 3x + x + 80^\circ = 360^\circ$$

$$6x + 80 = 360$$

$$-80 \quad -80$$

$$6x = 280^\circ$$

$$\frac{6x}{6} = \frac{280}{6}$$

$$x = 46.6$$

$$2x = 93.3$$

$$3x = 140$$