

Primary 6 Revision Answers

Q1

$$180^\circ$$

Q2

$$360 - 150 - 115 = 95$$

$$360 - 95 - 95 = 170$$

$$170 \div 2 = 85$$

$$\angle X = 85 \div 2 = \underline{42.5^\circ}$$

Q3

$$(180^\circ - 24^\circ) \div 2 = 78^\circ$$

$$78^\circ - 40^\circ = 38^\circ$$

Q4

$$31^\circ$$

Q5

$$\angle X = (180^\circ - 84^\circ) \div 2 = 48^\circ$$

$$\angle FCB = 180^\circ - 68^\circ - 48^\circ = 64^\circ$$

Q6

$$\angle \text{BCE} = 65^\circ$$

$$\angle \text{AED} = 180^\circ - 90^\circ - 65^\circ = 25^\circ$$

Q7

$$90^\circ + 45^\circ = 135^\circ$$

Q8

Angle BAE = Angle DAE.

Assuming they are cut evenly, Angle AEB = $(180^\circ - 45^\circ) \div 2 = 67.5^\circ$

Hence angle BED = $67.5^\circ \times 2 = 135^\circ$

Q9

$$\text{Angle } BCA = (180^\circ - 20^\circ) \div 2 = 80^\circ$$

Since D is midpoint of BC, length of AD = CD ie: triangle ACD is also an isosceles triangle

$$\text{Angle } ADC = (180^\circ - 80^\circ) \div 2 = 50^\circ$$

$$\text{Angle } ADB = 180^\circ - 50^\circ = 130^\circ$$