

Word problems - angles

Answer sheet

1. Between the times of two o'clock and quarter to three, the **minute** hand of the clock moves through what angle?



$$45 \text{ mins} \Rightarrow \frac{3}{4} \times 360 = 270^\circ$$

2. If the cake is cut into 10 equal pieces, what is the angle of each piece at the centre?



$$360 \div 10 = 36^\circ$$

3. What angle does the **minute** hand move through, when the time changes from half past four to half past five?



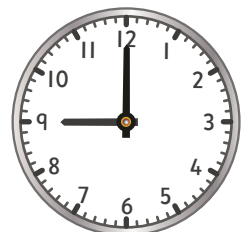
$$60 \text{ mins} \Rightarrow 360^\circ$$

4. The pizza is sliced into 6 equal parts. What is the angle of each slice at the centre?



$$360 \div 6 = 60^\circ$$

5. If a train journey took two hours, what angle did the **hour** hand move through in total?



$$\frac{360}{12} \times 2 = 60^\circ$$