Busy at Maths 6: Answers

June 2-12

Chapter title and chapter number

Data 3 30

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**1.** (b) 120°, 1/3, 12

(c) 60°, 1/6, 6

(d) 30°, 1/12, 3

**2.**

**(a)** 180°, ½ , 39

**(b)** 60°, 1/6, 13

**(c)** 120°, 1/3, 26

**3.**

**(a)** 45°, 1/8, 13

**(b)** 225° , 5/8, 65

**(c)** 90°, ¼, 26

**4.**

**(a)** 108°, 3/10, 36

**(b)** 72°, 1/5, 24

**(c)** 120°, 1/3, 40

**(d)** 60°, 1/6, 20

**5.**

**(a)** 30°, 1/12, 12

**(b)** 90°, ¼, 36

**(c)** 135°, 3/8, 54

**(d)** 45°, 1/8, 18

**(e)** 60°, 1/6, 24

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**1.**

**(a)** (i) 72°, 1/5

(ii) 108° , 3/10

(iii) 144° , 2/5

(iv) 36° , 1/10

**(b)** No answers

**(c)** (i) 20°

(ii) 30%

(iii) 40%

(iv) 10%

**(d)** 108°

**Challenge:**

blue: 27 3/8 135°

brown: 24 1/3 120°

green: 6 1/12 30°

hazel: 9 1/8 45°

grey: 6 1/12 30°

(ii) No answers

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**1.**

**(a)** No answers

**(b)** (i) 120

(ii) 108

**(c)** 24

**(d)** Fri/Sat

**(e)** 21·6

**(f)** Thurs/Fri/Sat

**(g)** 27

**2.**

**(a)** (i) 1/12, 1/6, 1/8, ¼, 3/8,

30° 60° 45° 90° 135°

(ii) 5/12 ¼ 1/6 1/12 1/12

150° 90° 60° 30° 30°

**(b)** No answers

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**3.**

**(a)** No answers

**(b)** Wed/Fri/Sat

**(c)** Thurs

**(d)** Wed/Thurs/Fri

**(e)** Less

**(f)** No; demand increasing

**(g)** the average daily sales

**(h)** dotted red line at 22

**4.**

**(a)** (i) €3·52

(ii) €1·25

**(b)** €135

**(c)** €75·30

**Challenge:** (i) 33 1/3%

(ii) 20%