Busy at Maths 4: Answers

June 2-12

Chapter title and chapter number

Decimals 2 16

**PAGE 85**

**1.**

**(a)** 3 + 4/10 + 6/100

**(b)** 8 + 1/10 + 9/100

**(c)** 6 + 6/10 + 6/100

**(d)** 0 + 0/10 + 9/100

**(e)** 0 + 4/10 + 7/100

**(f)** 3 + 4/10 + 0/100

**(g)** 5 + 0/10 + 2/100

**3.**

**(a)** 1/10 = 0·1

**(b)** 15/100 = 0·15

**(c)** 24/100 = 0·24

**(d)** 38/100 = 0·38

**(e)** 13/100 = 0·13

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**(a)**

0·1 1/10 A

3·9 3 9/10 F

5·5 5 5/10 H

2·4 2 4/10 E

7·7 7 7/10 I

1·7 1 7/10 D

8·3 8 3/10 J

0·5 5/10 B

1·0 10/10 C

4·2 4 2/10 G

**(b)**

0·01 1/100 K

0·5 5/10 Q

0·1 1/10 M

0·99 99/100 T

0·39 39/100 P

0·31 31/100 O

0·84 84/100 S

0·05 5/100 L

0·64 64/100 R

0·17 17/100 N

**2.**

**(a)** (i) B

(ii) C

**(b)** (i) D

(ii) C

**(c)** (i) A

(ii) C

**(d)** (i) D

(ii) C

**Challenge:** (a) x 1st space

y 3rd space

(b) x 1st space

y 3rd space

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**1.**

**(a)** 1/10

**(b)** 90

**(c)** 40

**(d)** 6/10

**(e)** 0/100

**(f)** 10

**(g)** 9/100

**(h)** 3000

**2.**

**(a)** 7777·77

**(b)** 7777·77

**(c)** 7777·77

**(d)** 7777·77

**(e)** 7777·77

**(f)** 7777·77

**(g)** 7777·77

**(h)** 7777·77

**(i)** 7777·77

**3.**

**(a)** 345·4, 414·74, 4410·44

**(b)** 36·9, 333·59, 0·38

**(c)** 829·16, 1625·6, 361·66

**(d)** 626·65, 4628·56, 56·68

**(e)** 5225·58, 3255·55, 85·65

**(f)** 8240·28, 86·35, 383·26

**(g)** 4·42, 122·32, 2425·62

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**1.**

**(a)** 0·3

**(b)** 0·7

**(c)** 0·5

**(d)** 0·43

**(e)** 0·58

**(f)** 0·08

**2.**

**(a)** 600

**(b)** 0·08

**(c)** 0·07

**(d)** 0·300

**(e)** 26·0

**(f)** 1048

**(g)** 0·2

**(h)** 0·4

**(i)** 8000

**(j)** 6

**(k)** 5

**(l)** 8/10

**(m)** 35·00

**(n)** 12 3/100

**(o)** 7·5

**(p)** 2/100

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**1.**

**(a)** (i) 0·62, 0·9, 0·58, 0·07

(ii) 0·07, 0·58, 0·62, 0·9

**(b)** (i) 0·47, 0·58, 0·25, 0·67

(ii) 0·27, 0·47, 0·58, 0·67

**2.**

**(a)** 0·5

**(b)** 0·09

**(c)** 0·88

**(d)** 0·41

**(e)** 1

**(f)** 0·6

**(g)** 0·43

**(h)** 8·5

**3.**

**(a)** 0·7

**(b)** 0·03

**(c)** 0·50

**(d)** 0·05

**(e)** 0·33

**(f)** 0·6000

**(g)** 32·3

**(h)** 1·1

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**1.**

**(a)** 40·1m, 40·01m, 39·9m,

39·09m, 38·99m

**(b)** 50·04m, 52·3m, 52·5m,

58·38m, 58·43m

**4.** 0·7, 0·8, 0·9, 1·0, 1·1, 1·2, 1·3,

1·4, 1·5, 1·6, 1·7, 1·8

0·93, 0·94, 0·95, 0·96, 0·97,

0·98, 0·99, 1·0, 1·1, 1·2, 1·3

7·86, 7·85, 7·84, 7·83, 7·82,

7·81, 7·80, 7·79, 7·78, 7·77,

7·76

**Challenge:** (a) 4809

98·40

(b) 86·21

(c) 9·53

(d) 75·42

(e) 9864·32

Length 2 27

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**1.**

**(a)** 50m

**(b)** 15/100km

**(c)** 0·35km

**(d)** 450m

**(e)** 56/100km

**(f)** 770m

**(g)** 77/100km

**(h)** 0·77km

**(i)** 930m

**(j)** 0·97km

**2.**

**(a)** 1000m

**(b)** 500m

**(c)** 250m

**(d)** 100m

**(e)** 300m

**(f)** 700m

**(g)** 10m

**(h)** 170m

**(i)** 230m

**(j)** 100m

**(k)** 200m

**(l)** 700m

**(m)** 10m

**(n)** 190m

**(o)** 630m

**(p)** 800m

**(q)** 990m

**(r)** 770m

**3.**

**(a)** 300m – 3/10km – 0·3km

**(b)** 600m – 6/10km – 0·6km

**(c)** 90m – 9/100km – 0·09km

**(d)** 60m – 6/100km – 0·06km

**(e)** 830m – 83/100km – 0·83km

**(f)** 750m – 3/4km – 0·75km

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Busy at Maths

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**1.**

**(a)** 1000m

**(b)** 2000m

**(c)** 500m

**(d)** 250m

**(e)** 750m

**(f)** 100m

**(g)** 300m

**(h)** 10m

**(i)** 270m

**2.**

**(a)** 1100m = 1km100m =

1 1/10km = 1·1km

**(b)** 1400m = 1km400m=

1 4/10km = 1·4km

**(c)** 1800m = 1km800m =

1 8/10km = 1·8km

**(d)** 1430m = 1km430m =

1 43/100km = 1·43km

**(e)** 1280m = 1km280m =

1 28/100km = 1·28km

**(f)** 2250m = 2km250m =

2 1/4km = 2·25km

**(g)** 2060m = 2km60m =

2 6/100km = 2·06km

**(h)** 1040m = 1km40m =

1 4/100km = 1·04km

**3.**

**(a)** 8·03km

**(b)** 4·02km

**(c)** 6·54km

**(d)** 5·72km

**4.**

**(a)** 2·26km

**(b)** 2·33km

**(c)** 0·91km

**(d)** 5·88km

**5.**

**(a)** 12·72km

**(b)** 20·84km

**(c)** 14·80km

**(d)** 16·47km

**6.**

**(a)** 1·47km

**(b)** 1·38km

**(c)** 1·64km

**(d)** 1·24km

**7.**

**(a)** 12·21km

**(b)** 23·16km

**(c)** 1·29km

**(d)** 3·84km

**(e)** 48·56km

**(f)** 10·2km

**(g)** 11·9km

**(h)** 1·69km

**(i)** 2·07km

**(j)** 1·11km

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**1.** a = 2·32km

b= 3·28km

c = 2·07km

d = 1·98km

e = 2·14km

f = 1·6km

**2.** 5km 350m

**3.** 5km 600m

**4.** 4km 50m

**5.** 6km 400m

**6.** 1km 160m

**7.** 1km 440m

**Challenge:** 4km 100m

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**1.**

**(a)** 10cm

**(b)** 9cm

**(c)** 16·5cm

**2.**

**(a)** 2cm

5cm 4cm

2cm

Perimeter = 13cm

**(b)** 2cm

2cm 2cm

2cm 2cm

Perimeter = 10cm

**(c)** 5cm

1·5cm

5cm

Perimeter = 11·5cm

**(d)** 3cm

5cm 4cm

2cm

1cm

Perimeter = 15cm

**3.**

**(a)** 460m

**(b)** 348m

**(c)** 112m

**(d)** 174m

**(e)** 3·22km

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**1.**

**(a)** 12cm

**(b)** 14cm

**(c)** 14cm

**(d)** 18cm

**3.** 272cm

**4.** 46cm

**5.**

**(a)** 18cm

**(b)** 32cm

**(c)** 12cm

**(d)** 4cm

**(e)** 6cm

**(f)** 56cm

**Challenge:** (i) 1405m

(ii) 1·405km or

1km 405m