Busy at Maths 3: Answers

May 5-15

Chapter title and chapter number

Pattern 28

**PAGE 147**

**2.** caterpillar, pupa,

butterfly.

**3.** egg, tadpole, frog.

**PAGE 148**

**1.**

**(a)** 26, 15, 4.

**(b)** 86, 97, 88.

**(c)** 67, 58, 59.

**(d)** 46, 56, 66.

**2.**

**(a)** 8, 10, 12, 14.

**(b)** 24, 30, 36, 42, 48.

Add 6 to each number.

**(c)** 3, 9, 18, 21.

Add 3 to each number.

**(d)** 8, 16, 40, 56.

Add 8 to each number.

**(e)** 56, 49, 42.

Subtract 7 from each

number.

**(f)** 81, 72, 63, 54, 45.

Subtract 9 from each

number.Third Class – Teacher’s Resource Book – ANSWERS

**(g)** 260, 245, 240.

Subtract 5 from each

number.

**(h)** 304, 296, 292, 288

Subtract 4 from each

number.

**3.**

**(a)**

6 + 4 = 10

16 + 4 = 20

26 + 4 = 30

36 + 4 = 40

46 + 4 = 50

56 + 4 = 60

66 + 4 = 70

76 + 4 = 80

**(b)**

8 + 7 = 15

18 + 7 = 25

28 + 7 = 35

38 + 7 = 45

48 + 7 = 55

58 + 7 = 65

68 + 7 = 75

78 + 7 = 85

**(c)**

23 – 10 = 13

33 – 10 = 23

43 – 10 = 33

53 – 10 = 43

63 – 10 = 53

73 – 10 = 63

83 – 10 = 73

93 – 10 = 83

**(c)**

7 – 5 = 2

17 – 5 = 12

27 – 5 = 22

37 – 5 = 32

47 – 5 = 42

57 – 5 = 52

67 – 5 = 62

77 – 5 = 72

**Challenge:** 15

**PAGE 149**

**1.**

**(a)** 10, 13, 16, 19, 22.

Add 3 to each number.

**(b)** 16, 32, 64.

Multiply each number

by 2.

**(c)** 27, 81.

Multiply each number

by 3.

**(d)** 12, 6, 3.

Divide each number by

2.

**(e)** 449, 443, 437.

Subtract 6 from each

number.

**(f)** 580, 470, 360.

Subtract 110 from each

number.

**(g)** 530, 480, 430.

Subtract 50 from each

number.

**(h)** 333, 222, 111.

Subtract 11 from each

number.

**2.**

**(a)** 2, 2 ½, 3

Add ½

**(b)** 2 ¼, 2 ½

Add ¼

**(c)** 2 ½kg, 3kg

Add ½kg

**(d)** 1 ¼m, 1 ½m

Add ¼m

**3.**

**(a)** 740, 770

**(b)** 610, 590

Subtract 5

**(c)** 714, 414

Subtract 100

**(d)** 784, 744, 704

Subtract 20

**Challenge:** 25

**PAGE 150**

**(a)** (i) ✗

(ii) ✓

(iii) ✗

(iv) ✗

**(b)** (i) ✗

(ii) ✗

(iii) ✗

(iv) ✓

**(c)** (i) ✓

(ii) ✗

(iii) ✗

(iv) ✗

**(d)** (i) ✗

(ii) ✗

(iii) ✓

(iv) ✗

**(e)** (i) ✗

(ii) ✗

(iii) ✓

(iv) ✗

**(f)** (i) ✓

(ii) ✗

(iii) ✗

(iv) ✓

**2.**

**(a)** 24

**(b)** 11

**(c)** 20

**(d)** 76

**(e)** 136

**(f)** 55

**3.**

**(a)** +

**(b)** –

**(c)** +

**(d)** ÷

**(e)** ÷

**(f)** –

**4.**

**(a)** x, +

**(b)** –, +

**(c)** ÷, +

**(d)** –, x

Multiplication 3 25

**PAGE 132**

**1.**

**(a)** 0

**(b)** 0

**(c)** 0

**(d)** 0

**(e)** 0

**(f)** 0

**(g)** 0

**(h)** 0

**2.**

**(a)** 4

**(b)** 12

**(c)** 42

**(d)** 56

**(e)** 87

**(f)** 99

**(g)** 107

**(h)** 264

**3.**

**(a)** 30

**(b)** 70

**(c)** 90

**(d)** 80

**4.**

**(a)** 160

**(b)** 190

**(c)** 200

**(d)** 240

**(e)** 300

**(f)** 360

**(g)** 500

**(h)** 570

**5.**

**(a)** 7

**(b)** 0

**(c)** 60

**(d)** 15

**(e)** 0

**(f)** 35Third Class – Teacher’s Resource Book – ANSWERS

**(g)** 0

**(h)** 140

**(i)** 650

**(j)** 86

**(k)** 890

**(l)** 0

**Challenge:** (a) 121

(b) 0

(c) 0

(d) 217

(e) 890

(f) 367

(g) 970

(h) 496

(i) 0

**PAGE 133**

**1.**

**(a)** 2 x 6 = 6 x 2 = 12

**(b)** 9 x 4 = 4 x 9 = 36

**(c)** 10 x 5 = 5 x 10 = 50

**(d)** 8 x 7 = 7 x 8 = 56

**2.**

**(a)** 6 x 7 = 7 x 6 =42

**(b)** 8 x 9 =9 x 8= 72

**3.**

6 x 4 = 24

(4 x 4) + (2 x 4) = 16 + 8 = 24

6 x 4 = (4 x 4) + (2 x 4) = 24

**4.**

**(a)** 7 x 3 = (5 x 3) + (2 x 3)

= 21

**(b)** 9 x 2 = (7 x 2) + (2 x 2)

= 18

**(c)** (4 x 6) + (3 x 6) = 7 x 6

= 42

**(d)** 10 x 4 = (4 x 4) + (6 x 4)

= 40

**(e)** 9 x 7 = (4 x 7) + (5 x 7)

= 63

**(f)** 8 x 6 = (1 x 6) + (7 x 6)

= 48

**Challenge:** 8 x 4 = (5 x 4) +

(3 x 4) = 32

**PAGE 134**

**1.**

**(a)** 30

**(b)** 18

**(c)** 21

**(d)** 42

**2.**

**(a)** 18

**(b)** 40

**(c)** 28

**(d)** 56

**(e)** 27

**3.**

**(a)** (10 x 5) + (6 x 5) ➔ 50 +

30 = 80

**(b)** (10 x 9) + (5 x 9) ➔ 90 +

45 = 135

**(c)** (10 x 8) + (3 x 8) ➔ 80 + 24

= 104

**(d)** ( 10 x 6) + (7 x 6) ➔ 60 +

42 = 102

**(e)** (10 x 4) + (9 x 4) ➔ 40 +

36 = 76

**(f)** (10 x 7) + (8 x 7) ➔ 70 + 56

= 126

**Challenge:** (10 x 6) + (8 x 6) ➔

60 + 48 = 108

**PAGE 135**

**1.**

**(a)** 30 + 50 = 80

**(b)** 24 + 60 = 84

**(c)** 27 + 90 = 117

**2.**

**(a)** 35 + 70 = 105

**(b)** 32 + 40 = 72

**(c)** 81 + 90 = 171

**(d)** 28 + 70 = 98

**(e)** 72 + 80 = 152

**(f)** 15 + 50 = 65

**(g)** 24 + 40 = 64

**(h)** 49 + 70 = 119

**(i)** 48 + 80 = 128

**(j)** 63 + 90 = 153

**Challenge 1:** 76

**Challenge 2:**

**(a)** 120

**(b)** 168

**(c)** 96

**(d)** 216

**(e)** 192

**(f)** 144

**PAGE 136**

**1.**

**(a)** 240

**(b)** 300

**(c)** 320

**(d)** 720

**(e)** 160

**(f)** 90

**(g)** 180

**(h)** 280

**2.**

**(a)** 150

**(b)** 360

**(c)** 480

**(d)** 420

**(e)** 630

**(f)** 720

**(g)** 560

**3.**

**(a)** 222

**(b)** 265

**(c)** 594

**(d)** 592

**(e)** 581

**4.**

**(a)** 180

**(b)** 432

**(c)** 266

**(d)** 208

**(e)** 616

**(f)** 637

**(g)** 405