Bond No Nonsense 8–9 years Answers

① Thousands, hundreds, tens and units pp2–3

1 **b** 7450   **c** 1001   **d** 3911   **e** 7652   **f** 9999
2 **b** 600   **c** 70   **d** 5   **e** 2000   **f** 2
3 **a** One thousand, two hundred and seventy-six
   b Five thousand, six hundred and twenty-eight
   c Four thousand, six hundred
   d Two thousand, eight hundred and ninety
4 1796 1976 3182 3218 3812
5 1000 more: **a** 2278   **b** 6820   **c** 4859
         d 4796   **e** 9671   **f** 8772
   1000 less: **a** 278   **b** 4820   **c** 2859
         d 2796   **e** 7671   **f** 6772

Challenge yourself
a 2379   **b** 9732
c Two thousand, seven hundred and ninety-three

② Addition pp4–5

1 **a** 171   **b** 281   **c** 296   **d** 461
   e 382   **f** 391   **g** 3243   **h** 6115
2 **a** 291   **b** 380   **c** 452   **d** 272
   e 345   **f** 410   **g** 4711   **h** 6960

Challenge yourself
225 + 668 = 893   717 + 142 = 859   142 + 579 = 721

③ Subtraction pp6–7

1 **a** 29   **b** 57   **c** 28   **d** 66   **e** 9
   f 17   **g** 25   **h** 27
2 **a** 40   **b** 3222   **c** 198   **d** 1015   **e** 1932
   f 4546   **g** 86   **h** 99
3 **a** 1256   **b** 8956   **c** 325   **d** 9398   **e** 1347
   f 2334

Challenge yourself
Answers will vary

④ Times tables pp8–9

1 7× = 7 14 21 28 35 42 49 56 63 70 77 84
   8× = 8 16 24 32 40 48 56 64 72 80 88 96
   9× = 9 18 27 36 45 54 63 72 81 90 99 108
   12× = 12 24 36 48 60 72 84 96 108 120 132 144
2 **a** 12 18 24 30 36 42 48 54
   b 20 24 28 32 36 40 44 48
3 **a** 12   **b** 80   **c** 42   **d** 21   **e** 81   **f** 66   **g** 40   **h** 96
   i 4   **j** 36   **k** 63   **l** 24
4 **a** 9   **b** 32   **c** 56   **d** 60   **e** 24   **f** 44   **g** 81   **h** 40
   i 28   **j** 80   **k** 18   **l** 36

Challenge yourself
a 3   **b** 4   **c** 7   **d** 8   **e** 4   **f** 8   **g** 9   **h** 64
i 11   **j** 8   **k** 6   **l** 9   **m** 9   **n** 9, 9   **o** 7

⑤ Division facts pp10–11

1 **b** 4   **c** 3   **d** 4   **e** 4 × 4   **f** 5 × 4   **g** 6 × 5
   h 30 = (3 × 10)
2 **a** 5   **b** 4   **c** 8   **d** 7 7   **e** 8 8   **f** 5 5
3 **a** 4   **b** 8   **c** 9   **d** 11   **e** 7   **f** 9

Challenge yourself
a 14   **b** 16

⑥ Multiplying and dividing by 1 and 10 pp12–13

1 **a** 1, 10   **b** 2, 20   **c** 3, 30   **d** 4, 40   **e** 5, 50
   f 6, 60
2 **a** 26, 260 **b** 37, 370 **c** 58, 580 **d** 96, 960
   e 121, 1210   **f** 113, 1130

A2

3 8 600   2 900
   86 000   29 000
4 **a** 10, 1 **b** 40, 4 **c** 20, 2 **d** 50, 5 **e** 30, 3 **f** 60, 6
5 **b** 8   **c** 12   **d** 17   **e** 15   **f** 19   **g** 22
   h 36

Challenge yourself
a £1·40 or 140p **b** 42p   **c** 26

⑦ Fractions pp14–15

1 **b** $\frac{2}{8}$ **c** $\frac{2}{6}$

2 $\frac{3}{4}$ $\frac{2}{3}$ $\frac{7}{8}$ $\frac{6}{10}$

3 **a** $\frac{2}{2}$ **b** $\frac{10}{10}$ **c** $\frac{3}{3}$

4 **b** $\frac{2}{3}$ **c** $\frac{4}{5}$ **d** $\frac{2}{4}$ **e** $\frac{1}{3}$ **f** $\frac{2}{5}$

Challenge yourself
$\frac{4}{8}$ $\frac{1}{2}$ $\frac{2}{10}$ $\frac{1}{5}$ $\frac{2}{2}$ $\frac{7}{7}$ $\frac{2}{3}$ $\frac{4}{6}$ $\frac{6}{8}$ $\frac{3}{4}$

⑧ Money pp16–17

1 **a** £3·87   **b** 13p   **c** £2·99   **d** £1·09   **e** £6·22
   f £1·19   **g** £8·21   **h** £0·67 or 67p   **i** £9·68
2 **b** 520p   **c** 1088p   **d** 2809p
3 **b** £2·50   **c** £8·93   **d** £31·64
4 **a** Yes   **b** £7·79   **c** £2·21
5 **a** 75p   **b** £3·00   **c** 30p   **d** £2·00

Challenge yourself
a   16p   £1·00   **b**   £4·78   £20·00
   × 5   − 0·80   × 3   − £14·34
   _____   _____   _____   _____
   80p   20p   £14·34   £ 5·66

c 50p   20p   £1·00   £1·40   (total money Brian has)
+ 50p + 20p + 40p −£0·90 (cost of the ride)
_____ _____ _____ _____
£1·00   40p   £1·40   £0·50   (money left)

⑨ Time – analogue and digital pp18–19

1 **b** 10:35   **c** 2:05   **d** 6:45   **e** 1:20   **f** 3:55
   22:35   14:05   18:45   13:20   15:55
2 **a**   **b**   **c**
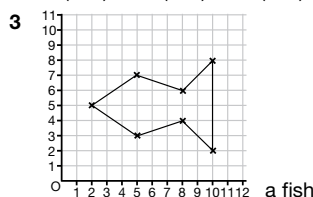   **d**   **e**   **f**
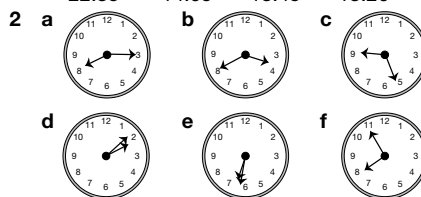
Challenge yourself
a 60   **b** 60   **c** 24   **d** 7   **e** 52   **f** 100

⑩ Coordinates pp20–21

1 **a** (4, 2)   **b** (1, 3)   **c** (3, 2)   **d** (5, 1)
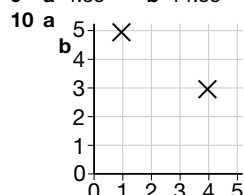**2** **a** (2, 3)   **b** (4, 0)   **c** (1, 5)   **d** (1, 3)
3
a fish

Challenge yourself
Answers will vary

How am I doing? pp22–23
1 1796 **2** 138 **2** 238 **3** 926
2 a 182 **b** 161 **c** 3961 **d** 5803
3 a 48 **b** 529 **c** 2228 **d** 1832
4 a 12 **b** 54 **c** 40 **d** 90 **e** 24 **f** 49
5 a 9 and 9 **b** 12 and 12 **c** 7 and 7 **d** 5 and 5
6 a 210 **b** 36 **c** 390 **d** 11 **e** 550 **f** 28
7 a 1 **b** $\frac{2}{3}$ **c** $\frac{2}{5}$ **d** $\frac{2}{4}$ or $\frac{1}{2}$
8 a £4·51 **b** £2·30 **c** £7·73 **d** £8·06
9 a 4:35 **b** 14:55
10 a

b

11 Greater than, less than pp24–25
1 a 4582 **b** 1197 **c** 421 m **d** 1019 m **e** 863 g
f 5218 kg
2 a 7361 6371 3671 1763 1367
b 5534 5435 5345 4553 3455
c 9281 8921 8129 1928 1298
3 a–d Answers will vary
4 a < **b** > **c** > **d** < **e** < **f** > **g** > **h** >
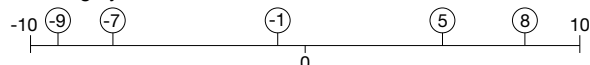
Challenge yourself
a Any number greater than 470
b Any number smaller than 699
c A number between 1450 and 3280
d A number between 458 and 500
e A number less than 500
f A number greater than 7333

12 Negative numbers pp26–27
1. a −1°C **b** −5°C **c** 1°C **d** −7°C **e** 8°C **f** −3°C
2 (approximate answers)
a −2 **b** 8 **c** −5 **d** 3 **e** −7 **f** −1
3

-11	**-10**	-9	**-8**	**-7**	-6	**-5**	-4	**-3**	**-2**	-1	0	**1**	2	3	**4**	5
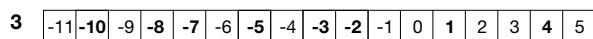
Challenge yourself

13 Number sequences pp28–29
1 b 20 15 10 5 down 5
c 30 28 26 24 down 2
d 19 16 13 10 down 3
2 a 27 47 52 67 **b** 87 83 79 75
c 26 38 50 62 **d** 63 54 51 48
3 a 12 6 −2 **b** −4 5 14 23
c 45 20 15 0 **d** −5 3 27 35

Challenge yourself
6, 12, 18, 24, 30 and 36 should be coloured green.
7, 14, 21, 28 and 35 should be coloured red.
Reference should be made to the pattern of the coloured squares.
42 – Yes   53 – No

14 Multiplication 1 pp30–31
1 a 84 **b** 95 **c** 63 **d** 90
e 46 **f** 56
2 a 1095 **b** 826 **c** 951
d 2799 **e** 2520 **f** 1080
3 a 184 **b** 1024 **c** 390

Challenge yourself
a 210 **b** 196 **c** 406

15 Division pp32–33
1 **b** 6$\overline{)30}$ (5) **c** 3$\overline{)12}$ (4) **d** 4$\overline{)24}$ (6) **e** 5$\overline{)40}$ (8)
f 4$\overline{)28}$ (7) **g** 10$\overline{)50}$ (5) **h** 3$\overline{)27}$ (9)
2 b 5 **c** 5 **d** 10 **e** 9 **f** 9 **g** 8 **h** 7 **i** 6
3 a 24 **b** 19 **c** 23 **d** 24 **e** 15 **f** 27

Challenge yourself
a 19 **b** 16

16 Angles pp34–35
1 a

2 a obtuse angle **b** acute angle **c** acute angle
d obtuse angle **e** obtuse angle **f** acute angle
3 c, a, d, b

Challenge yourself
Answers will vary

17 Polygons pp36–37
1 a 4 (a, c, e and f) **b** a, c
c 0 **d** 5 (all except e)
2 Answers will vary
3 b (irregular) hexagon **c** (irregular) pentagon
d (regular) octagon **e** rectangle
f (irregular) heptagon
4 Answers will vary

Challenge yourself
a quadrilateral **b** equilateral **c** hexagons
d isosceles **e** heptagons

18 Perimeter pp38–39
1 b 3 + 3 + 3 = 9 cm
c 6 + 5 + 6 + 5 = 22 cm = (2 × 6) + (2 × 5) = 22 cm
d 8 + 4 + 8 + 4 = 24 cm = (2 × 8) + (2 × 4) = 24 cm
2 a 18 cm **b** 20 m **c** 16 m **d** 40 cm

Challenge yourself
a 7 cm
b Any one of: 7 cm × 7 cm, 8 cm × 6 cm, 10 cm × 4 cm,
11 cm × 3 cm, 12 cm × 2 cm, 13 cm × 1 cm

19 Bar charts pp40–41
1 a yellow **b** red, blue **c** green **d** 125 **e** 30
2

A3
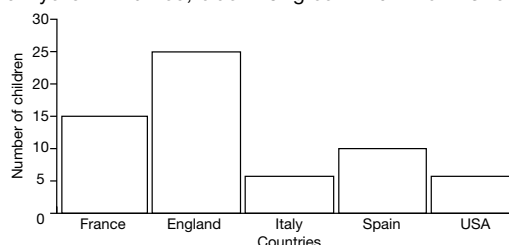
Challenge yourself
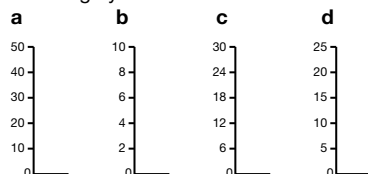
a   **b**   **c**   **d**

How am I doing? pp42–43

1. **a** >   **b** >   **c** >   **d** <   **e** <   **f** >
2. **a** –4°C   **b** –8°C
3. **a** 60 64 68 72 76   **b** 26 21 16 11 6
4. **a** 80   **b** 54   **c** 1 644
5. **a** 48   **b** 16   **c** 25   **d** 17
6. **a** acute angle **b** right angle **c** acute angle **d** obtuse angle
7. Regular pentagon (size may vary)
8. **a** 10 cm = (2 × 2) + (3 × 2) = 4 + 6 = 10 cm
   b 20 cm = 5 × 4 = 20 cm

20 Rounding numbers pp44–45

1. **a** 240, 200   **b** 380, 400   **c** 770, 800
2. **b** 410 + 90   **c** 390 + 70   **d** 760 + 160
3. **a** 2 000   **b** 5 000   **c** 8 000   **d** 9 000

Challenge yourself

	nearest 10 miles	nearest 100 miles	nearest 1 000 miles
Paris	450	500	0
Jeddah	5 910	5 900	6 000
New York	6 740	6 700	7 000
Madras	9 780	9 800	10 000

a Jeddah   **b** Madras

21 Multiplication 2 pp46–47
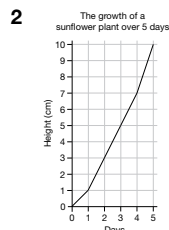
1. **a** 97   **b** 34   **c** 75   **d** 2 052   **e** 4 326
   f 2 454   **g** 5 490   **h** 3 996   **i** 1 468
2. **a** 472
3. **a** 40 + 6 = 46
   b 60 + 18 = 78
   c 1 200 + 100 + 0 = 1 300
   d 2 000 + 1 400 + 0 + 0 = 3 400
   e 80 + 8 = 88
   f 4 000 + 800 + 100 + 0 = 4 900
4. **a** 88   **b** 72   **c** 104

Challenge yourself

a 60   **b** 72   **c** 72   **d** 64   **e** 99   **f** 125

22 Time graphs pp48–49

1. **a** 20 minutes   **b** Jess and Andy were standing still.
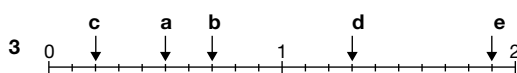   **c** 15 minutes
2. The growth of a sunflower plant over 5 days

Challenge yourself

a day 4   **b** 10 cm   **c** 2 cm   **d** between days 4 and 5 (3 cm)

23 Decimals pp50–51

1. **a** 0·4   **b** 0·8   **c** 0·15   **d** 0·65
2. **a** 0·5 0·6 0·7 0·8 0·9 1·2 1·3 1·4
   b 3·5 3·2 2·8 2·6 2·5 2·4

3. (number line)
4. **a** 1   **b** 0   **c** 1   **d** 2
5. **b** 0.75   **d** 0.25
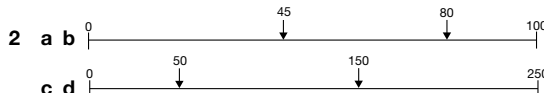
Challenge yourself

1.25 1.6 2.1 2.85 3.0 4.5

24 Estimation pp52–53

1. All answers approximate:
   a 60   **b** 90   **c** 25   **d** 800   **e** 35   **f** 150
2. **a b** (number line)   **c d** (number line)
3. **a** 200 (approximate answer)
   b There are just under half of the sweets left.

Challenge yourself

a Answers will vary   **b** Answers will vary

25 Solving problems pp54–55

1. **a** 6 (1 + 2 + 3)   **b** 9 (2 + 3 + 4)
   12 (3 + 4 + 5)   15 (4 + 5 + 6)
   c The totals are 3 times the middle number.
2. **a** 9   **b** 18   **c** 50   **d** 75   **e** XII   **f** XXX   **g** C   **h** XXXIX
3. **a** 5 and 3   **b** 9 and 3   **c** 6 and 6   **d** 11 and 2

Challenge yourself

a 240 g earth, 100 g green grass and 100 ml of puddle water
b 200 ml   **c** 960 g

26 Line symmetry pp56–57

1. **a**   **b**   **c**
2. **b**   **c**   **d**   **e**   **f**
3. **b**   **c**   **d**

Challenge yourself

Inside circle any of: square, rectangle, rhombus, kite, arrowhead, isosceles trapezium.
Outsite circle any of: prallelogram, other irregular quadrilaterals.

27 Area pp58–59

1. **a** 11 cm²   **b** 13 cm²   **c** 8 cm²   **d** 7 cm²
2. Answers will vary
3. **a** 10 cm²   **b** 12 cm²

Challenge yourself

Answers will vary

28 Length, mass, capacity pp60–61

1. **a** millimetre, centimetre, metre, kilometre (any 3 from 4)
   b litre, millilitre   **c** gram, kilogram
2. **a** 500 ml   **b** 5 mm   **c** 500 g   **d** 500 m   **e** 50 cm
   f 25 cm   **g** 250 ml   **h** 250 g
3. **a** 2 kg   **b** 50 mm   **c** 3 000 ml   **d** 2.5 m
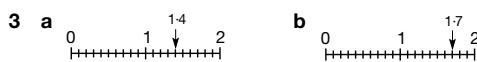   **e** 7 000 000 m   **f** 230 mm   **g** 1.5 kg   **h** 500 mm

Challenge yourself

a metres   **b** kilometres   **c** grams   **d** litres
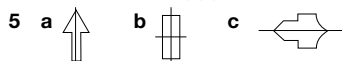**e–f** Answers will vary

How am I doing? pp62–63

1. **a** 570   **b** 600   **c** 2 240   **d** 2 200   **e** 2 000
2. **a** 44   **b** 70   **c** 112   **d** 122
3. **a** (number line 1·4)   **b** (number line 1·7)
4. **a** 60   **b** 150 (approximate answers)
5. **a**   **b**   **c**
6. **a** 13 cm²   **b** 2 cm²   **c** 12 cm²
7. **a** 1 metre or 1 m   **b** 3 litres or 3 l   **c** 5000 grams or 5000 g