

Bond No Nonsense Maths 10-11 Years Answers

Lesson 1

1. **a** even **b** even **c** odd **d** odd
e odd **f** even
2. **a** $324 + 102 = 426$, $426 - 324 = 102$
b $324 - 201 = 123$, $201 + 123 = 324$
c $222 + 102 = 324$, $324 - 102 = 222$

Lesson 2

1. **a** the numbers decrease 16 at a time
b the numbers increase 0.25 at a time

Lesson 3

1. **a** 96 528 **b** £15.06 **c** 685 cm
2. **a** 850 g **b** 880 m **c** 168 minutes

Lesson 4

1. $29 \times 7 = 203$
2. 245

$$\begin{array}{r} \times 32 \\ 7350 \text{ (245 x 30)} \\ 490 \text{ (245 x 2)} \\ \hline 7840 \end{array}$$

Lesson 5

1.

x	5	3	8	10	7	6
9	45	27	72	90	63	54
4	20	12	32	40	28	24
2	10	6	16	20	14	12
0	0	0	0	0	0	0
8	40	24	64	80	56	48

Lesson 6

1. **a** Mode = 7, Median = 6, Mean = 6
b Mode = 18, Median = 16, Mean = 15

Lesson 7

1. **a** $\frac{6}{12}$ $\frac{99}{198}$ $\frac{85}{190}$ $\frac{32}{64}$
b $\frac{15}{20}$ $\frac{30}{40}$ $\frac{24}{32}$ $\frac{72}{96}$
c $\frac{16}{40}$ $\frac{6}{15}$ $\frac{46}{115}$ $\frac{22}{55}$

Lesson 8

1. **a** 5.39, 5.41, 5.45, 5.49
b 11.54, 11.50, 11.42, 11.38
2. **a** 5 **b** 9 **c** 10 **d** 10
e 13 **f** 16

Lesson 9

1. star

Lesson 10

1. **a** -4, -3, -2, 0, 4, 8 **b** 16 -11, -6, -1, 1, 6
2. **a** 4°C **b** -4°C

Lesson 11

1. **a** 31.5 **b** 26.6 **c** 45.6 **d** 21.6

Lesson 12

1. **a** 57 **b** 71 r6 **c** 70 r7 **d** 64 r2
e 35 **f** 93 **g** 32 **h** 24

Lesson 13

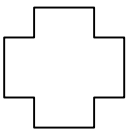
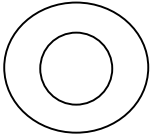
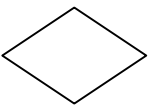
1. **a** 8 **b** 8 **c** 9 **d** 7
e 8 **f** 4
2. **a** $\frac{1}{10}$ **b** $\frac{1}{10}$ **c** $\frac{1}{5}$ **d** $\frac{1}{5}$

Lesson 14

1.

	Fraction	Decimal	Percentage
a	1	1.0	100%
b	$\frac{1}{2}$	0.5	50%
c	$\frac{1}{4}$	0.25	25%
d	$\frac{1}{10}$	0.1	10%
e	$\frac{1}{100}$	0.01	1%

Lesson 15

1. **a**  **b**  **c** 

Lesson 16

1. **a** ml **b** g **c** l **d** cl
 e m **f** cm **g** km **h** kg
 i mm
2. 1 050 ml

Lesson 17

1. **a** $85 \div 12 = 7.08333333$
 b $26 \times 38 = 988$

Lesson 18

1. **a** 60 cm **b** 2 and 3 **c** 10 **d** 50 cm
 e 9 **f** 6, 7, 8, 9

Lesson 19

1. **a** 0.23 km, 2.3 km, 2.33 km, 3.2 km, 23 km, 32 km
 b 4.6 cl, 4.64 cl, 6.4 cl, 6.44 cl, 46 cl, 64 cl
 c 678.23 m, 678.32 m, 687.23 m, 768.32 m, 786.32 m, 876.32 m

Lesson 20

1. The sum of two consecutive triangular numbers is always a square number.

Lesson 21

1. **a** 12, 4, 8 **b** 5, 2, 3, 10
 2. **a** 32, 16, 24, 88 **b** 24, 64, 104

Lesson 22

1. Answers will vary. 750 000 seconds is equivalent to just over eight and a half days.

Lesson 23

1. **a** 1 to every 2 **b** 4 to every 1
 c 3 to every 1
2. **a** $\frac{1}{3}$ **b** $\frac{4}{5}$ **c** $\frac{3}{4}$

Lesson 24

1. **a** Perimeter = 44 cm, Area = 89 cm^2
 b Perimeter = 38 cm, Area = 54 cm^2

Lesson 25

1. **a** obtuse **b** reflex **c** right **d** acute
 e obtuse **f** right

Lesson 26

1. Congruent shapes must be the same size and shape but they are turned around.

Lesson 27

1. £27.25

Lesson 28

1. Answers will vary.