

Explore the Secrets of Math Level 3 Book 1 Answers

Page 1 – 3:

10, 9
8, 7
6, 5
4, 3

Page 1 – 4:

0, 0, 0
0, 0, 10
0, 0, 11
0, 0, 12
11, 15, 19
12, 16, 20
13, 17, 21
14, 18, 22
23, 27, 31
24, 28, 32
25, 29, 33

Page 1 – 5:

(2) No
(3) $5 / 1 = 5$
 $6 / 1 = 6$
 $7 / 1 = 7$
 $8 / 1 = 8$
 $9 / 1 = 9$

Page 1 – 7:

5, 4
3, 2
1, 6
7, 8
9, 10

Page 1 – 8:

3 6, 2, 3
4 8, 2, 4
2 4, 2, 2
1 2, 2, 1
6 12, 2, 6
7 14, 2, 7
9 18, 2, 9
8 16, 2, 8
5 10, 2, 5

Page 1 – 9:

2 r 1, 3 r 1, 4 r 1
4 r 1, 2, 4
1 r 1, 3, 2 r 1
5, 5, 9
7, 8, 9

Page 1 – 11:

(1)		
2	3	4
4	6	8
1	9	5
2	7	8
6	7	8
12	14	16

(2) 20 10
 10 20

Page 1 – 13:

5 r 2 4 r 1
3 r 2 2
1 r 1 6 r 2
7 r 2 8
9 r 2 10

Page 1 – 14:

14	25	18	28
16	37	28	42
13	22	26	28
36	28	25	13

Page 1 – 15:

(1)		
1	2	3
3	6	9
4	5	6
12	15	18
7	8	9
21	24	27
(2) 4		

Page 1 – 17:

12 24
9 27
15 18
6 21
4 5
6 7
2 3
1 9
3 3
3 3
4 3
3 9

Page 1 – 18:

(3) $24 / 3 = 8$
 $3 \times 8 = 24$
 $12 / 3 = 4$
 $4 \times 3 = 12$

Page 1 – 18: (4)

6 r 2	2 r 1	4 r 1
3 r 1	2	3 r 1
4 r 1	3 r 1	5 r 1
1 r 2	2 r 2	4
5 r 1	18 r 1	49
4	25 r 1	20
6 r 1	48 r 1	61
4 r 2	12 r 2	82

Page 1 – 20:

5 r 3 4 r 1
3 r 3 2 r 2
1 r 3 6 r 2
8 r 3 8 r 2
9 r 1 10 r 3

Page 1 – 21: (1)

202 206 104

Page 1 – 22:

204 206 104
(2)
309 208 106
408 206 309

Page 1 – 23:

2 1 r 2 4 r 1
1 r 3 2 5
2 r 1 2 r 1 5 r 1
1 r 1 2 r 2 6
2 r 3 18 r 1 24 r 1
3 25 r 1 10
3 r 1 32 r 1 30 r 1
3 r 2 12 r 2 41
103 r 1 118 r 1 209 r 1
208 208 r 2 105
104 305 r 2 308 r 1
131 209 r 1 409 r 1
156 151 r 2 257
138 r 3 254 r 2 336 r 1
181 r 1 141 370 r 1
233 r 2 291 r 1 491

Page 1 – 24:

Explore the Secrets of Math Level 3 Book 1 Answers

Page 1 – 24: Left column:

- $4 \times 5 = 20$
 $4 \times 9 = 36$
 $4 \times 7 = 28$
 $4 \times 2 = 8$
 $4 \times 6 = 24$
 $4 \times 4 = 16$
 $4 \times 8 = 32$
 $4 \times 3 = 12$
 $4 \times 10 = 40$
 $4 \times 11 = 44$
 $4 \times 12 = 48$
 $4 \times 13 = 52$
 $4 \times 14 = 56$
 $4 \times 15 = 60$
 $4 \times 16 = 64$
 $4 \times 17 = 68$
 $4 \times 18 = 72$
 $4 \times 19 = 76$
 $4 \times 20 = 80$

Right column:

- $3 \times 5 = 15$
 $3 \times 9 = 27$
 $3 \times 7 = 21$
 $3 \times 2 = 6$
 $3 \times 6 = 18$
 $3 \times 4 = 12$
 $3 \times 8 = 24$
 $3 \times 3 = 9$
 $3 \times 10 = 30$
 $3 \times 11 = 33$
 $3 \times 12 = 36$
 $3 \times 13 = 39$
 $3 \times 14 = 42$
 $3 \times 15 = 45$
 $3 \times 16 = 48$
 $3 \times 17 = 51$
 $3 \times 18 = 54$
 $3 \times 19 = 57$
 $3 \times 20 = 60$

Page 1 – 25:

- $3 \text{ r } 3$ $4 \text{ r } 4$
 $4 \text{ r } 2$ $6 \text{ r } 3$
 $3 \text{ r } 1$ $5 \text{ r } 4$

Page 1 – 26: (1) 43, 22, 23

Page 1 – 27: 44, 33, 29

- (2) $88 \text{ r } 2$ $66 \text{ r } 3$ $44 \text{ r } 3$
 42 85 $85 \text{ r } 2$

Page 1 – 28: (2)

- 4 8
 6 7
 2 3
 1 9

Page 1 – 28: (2) (Count.)

- 20 40
 25 45
 15 30
 10 35
 5 5
 5 5
 5 5
 5 5

Page 2 – 2:

- (1) 1, 5, 4, 1, 0, 7
 (2) 2, 6, 3, 2, 0, 5
 (3) 7, 4, 2, 4, 1, 3
 (4) 4, 5, 6
 7, 3, 1
 9, 0, 2

Page 2 – 3:

- (1) 1,000, 5,000, 4,000, 1,000,
 1,000, 7,000
 (2) 20,000, 60,000, 30,000,
 20,000, 90,000, 50,000
 (3) 700,000, 400,000, 200,000
 400,000, 100,000, 300,000

Page 2 – 4:

- (4) 300, 0, 900, 600, 0
 (5) 0, 0, 20, 0, 0
 (6) 0, 0, 1, 2, 0
 (7) 900,000, 20,000, 0
 100,000, 20,000, 3,000
 900,000, 80,000, 7,000
 600,000, 50,000, 4,000
 800,000, 70,000, 6,000
 900,000, 70,000, 5,000
 800,000, 90,000, 6,000
 100,000, 0, 9,000
 400,000, 0, 6,000
 800,000, 90,000, 4,000
 600,000, 0, 5,000
 800,000, 40,000, 3,000

Page 2 – 5:

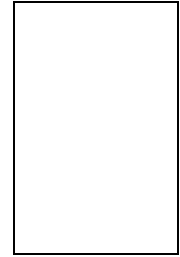
$900,000 + 40,000 + 5,000 + 200 + 10 + 1$
 Nine hundred forty five thousand, two hundred eleven

$300,000 + 80,000 + 5,000 + 100 + 90 + 3$
 Three hundred eighty five thousand, one hundred ninety one

$400,000 + 50,000 + 9,000 + 700 + 40 + 1$
 Four hundred fifty nine thousand, seven hundred forty-one

$400,000 + 70,000 + 8,000 + 200 + 90 + 5$
 Four hundred seventy eight thousand two hundred ninety-five

Page 2 – 6: (2)

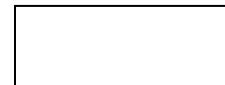


Page 2 – 7:

- 5,000, 50,000, 500,000, 500,005,
 505,505, 550,550, 555,555,
 607,008, 900,000, 330,003,
 100,001, 100,011, 880,088

Page 2 – 10:

- (1)
 > < >
 < > <
 < > >
 < > <
 > = <
 (2)



Explore the Secrets of Math Level 3 Book 1 Answers

Page 2 – 11:

1. 978,352 2. 979,509 3. 987,352 4. 987,400	1. 836,799 2. 836,828 3. 840,000 4. 879,510
1. 409,999 2. 469,912 3. 469,921 4. 525,987 5. 561,940 6. 591,842 7. 850,999 8. 851,103 9. 852,000	1. 299,999 2. 304,154 3. 310,000 4. 330,419 5. 400,000 6. 509,999 7. 510,000 8. 521,045 9. 521,405
1. 49,000 2. 99,099 3. 99,999 4. 100,001	6. 181,201 7. 200,000 8. 341,211 9. 799,707

Page 2 – 12:
 734,141 734,141
 919,347 900,000

Page 2 – 13:
 700,000 800,000 900,000 900,000
 822,008 803,261 1,000,000 990,940
 935,620 546,378 336,614 337,554
 800,431 710,000 800,000 400,008
 691,346 535,842 958,707 967,571
 1,133,200 488,731 969,278 865,041
 931,476 849,101 1,111,110 777,777
 901,233 746,950 882,099 846,711
 880,926 1,448,903 1,436,259 1,438,177

Page 2 – 14:
 605,065 100,100
 633,335 344,444
 345,678 456,789
 864,753 147,159

Page 2 – 15:
 (1) 19, 28
 (2) 19, 28, 37
 (3) 19, 28, 37, 46
 (4) 19, 28, 37, 46, 55
 (5) 19, 28, 37, 46, 55, 64
 (6) 19, 28, 37, 46, 55, 64, 73
 (7) 19, 28, 37, 46, 55, 64, 73, 82
 (8) 19, 28, 37, 46, 55, 64, 73, 82, 91

Page 2 – 16:
 $6 + 0 + 4 = 10$ $7 + 1 + 2 = 10$
 $6 + 2 + 2 = 10$ $7 + 2 + 1 = 10$
 $6 + 2 + 2 = 10$ $7 + 3 + 0 = 10$
 $6 + 3 + 1 = 10$ $8 + 0 + 2 = 10$
 $6 + 4 + 0 = 10$ $8 + 1 + 1 = 10$
 $7 + 0 + 3 = 10$ $8 + 2 + 0 = 10$

Page 2 – 17:
 (2) 307, 316, 325, 334, 343, 352, 361, 370
 (3) 406, 415, 424, 433, 442, 451, 460
 (4) 505, 514, 523, 532, 541, 550
 (5) 604, 613, 622, 631, 640
 (6) 703, 712, 721, 730
 (7) 802, 811, 820
 (8) 901, 910

Page 2 – 18:
 2, 3, 4, 5, 6, 7 1, 3, 5, 7, 9
 6, 10, 14, 18 0, 1, 2, 3, 4, 5
 9, 8, 7, 6, 5, 4
 100, 200, 300, 400 11, 12, 13, 14
 456, 567, 678, 789 310, 320, 330, 340
 34, 44, 54, 64, 74
 1, 2, 3, ..., 100 300, 400, ..., 1,000
 4, 5, 7, 8, 9, 10 2, 7, 13, 18, 23
 49, 50, 51, 52
 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, , 999, 1,000
 200, 300, 400, 500, , 99,900, 100,000
 500, 1,000, 1,500, 2,000, , 50,000

Page 2 – 20:
 5 22
 7 11
 13 14
 39 35
 27 34

Page 2 – 21: 21, 45, 35, 42, 27

Page 2 – 23: 55, 110, 2,091, 225

Page 2 – 24: 99, 36, 125, 155, 225, 210, 980, 219

Page 2 – 26: yes, yes, no, no, yes, yes, yes

Page 2 – 27:
 45 35
 72 140
 108 336

Page 2 – 28: 5,050, 1,540, 20,100, 109,278, 499,500, 212, 671, 3,755, 1,555, 310, 2,100, 2,817, 2,720, 583, 5,050, 3, 17,178, 16,880

Page 2 – 29:
 80 7,800 78,000
 800 8,000 80,000
 50 2,340 23,400
 500 5,300 53,000
 40 7,5900 700,000
 400 84,000 840,000
 60 941,000 9,000,000
 600 830000 83,000,000
 100 31,250,000 31,250,000,000
 110 96,780,000 96,780,000,000
 120 51,750,000 51,750,000,000
 200 28,780,000 28,000,000,000
 700 61,280,000 60,000,000,000

Page 2 – 31:
 100 10
 1,000 100
 12,300 475
 38,400 80,100
 143,000 830,000
 390,000 642,000
 9,810 3,670
 1,900 3,790
 25,000 1,000
 10,000 125,000
 600 800
 900 300
 3,000 4,000
 6,000 2,000
 9,000 30,000
 40,000 60,000
 80,000 40,000
 100,000,000,000
 225,000,000

Page 2 – 33:
 (1) T, F, F, T, T, T, T, T, T, T
 (2) T, T, T, T, T
 (3)

240	1	1	240
240	1	1	255
255	1	1	270
270	1	1	285
285	1	1	270
285	2	2	255
285	3	3	240

Explore the Secrets of Math Level 3 Book 1 Answers

Page 2 – 35:
 (1) 40,000 2,000 3,6000
 (2) 9,000 90,000 81,000 900,000
 (3) 1,200 3,600 360,000 364,800
 (4) 900 3,400 45,000 27,000

Page 2 – 37:
 117, 162, 324, 252, 846, 702,
 2,871, 16,137, 47,322, 58,608,
 272,727, 809,190, 529,470, 270,
 306, 378, 666, 1,368

Page 2 – 39:
 (1) $27 \times 4 - 12 - 84 = 12$
 (2) $1472 - 1 + 42 + 1 = 114 + 111 - 11$
 (3) $741 + 21 - 721 = 41$
 (4) $422 - 27 \times 7 - 27 \times 2 = 177 + 2$
 (5) $422 - 27 \times 2 \times 7 = 44$
 (6) $227 \times 2 + 74 - 414 = 114$

Page 3 – 3:
 No, No, No, No, Yes, Yes, Yes

Page 3 – 6:
 (1) 15, 21, 28, 36
 (2) 3 AB, AC, BC

Page 3 – 7:

$\frac{6}{12, 13, 14, 23, 24, 34}$	$\frac{6}{AB, AC, AD, BC, BD, CD}$
------------------------------------	------------------------------------

 (3)

$\frac{10}{12, 24, 13, 25, 14, 34, 15, 35, 23, 45}$	
-----------------------------------------------------	--

 (4) 36

Page 3 – 9: (2) 15

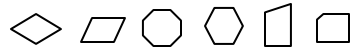
Page 3 – 10: (1) 1, (2) 6, (3) 15, (4) 4, (5) 3,916

Page 3 – 12:
 (1) 3, 4, 5, 6, 7, 8, 9
 (2) 33, 44, 55, 66, 77, 88, 99
 (3) 38, 54, 69, 96, 62, 84, 104, 103, 120, 145

Page 3 – 12: (Count.)
 (4) 15, 18, 41, 36, 19, 42, 37, 45, 40, 63
 (5) 43, 44, 45, 46, 47, 48, 49
 (6) 30, 40, 50, 60, 70, 80, 90
 (7) 210, 230, 240, 250, 260, 270, 280, 290

Page 3 – 14:
 (1) 6, 7, 8, 9
 (2) 66, 77, 88, 99
 (3) 6, 7, 8, 9, 10, 11, 12
 (4) 12, 14, 16, 18, 20, 22, 24
 (5) 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75

Page 3 – 16:
 (1) 10, 11, 12, 13, 14
 (2) 110, 121, 132, 143, 154
 (3) 14, 158, 183, 199, 207
 (4) 48, 50, 52, 54, ..., 92, 94, 96
 (5) 28, 30, 32, 36, ..., 66, 68, 70

Page 3 – 18:


Page 3 – 20:
 (1) 5 8
 14 20
 (2) Same (3) Same

Page 3 – 21:
 (1) 6, (2) 18, (3) 36, (4) 62

Page 3 – 22:

$\angle XOY$	$\angle DOF$
$\angle YOX$	$\angle FOD$
$\angle O$	$\angle O$

$\angle LOM$	$\angle POQ$	$\angle UOV$
$\angle MOL$	$\angle QOP$	$\angle VOU$
$\angle O$	$\angle O$	$\angle O$

$\angle JOK$	$\angle HOI$	$\angle TOS$
$\angle KOJ$	$\angle IOH$	$\angle SOT$
$\angle O$	$\angle O$	$\angle O$

Page 3 – 23:
 (1) right acute obtuse
 right acute straight
 (2)
 75° acute 120° obtuse 45° acute
 30° acute 120° obtuse 60° acute

Page 3 – 24:
 1, 3, 3
 3, 3, 3

Page 3 – 25:
 (1) Scalene, Isosceles, Isosceles, equilateral
 (2) Isosceles, Isosceles
 (3)
 (4) Red: Isosceles
 Brown: Right
 Yellow: Scalene
 Blue: Isosceles



Page 3 – 26:
 (1) Right, Acute, Obtuse, Acute
 (2) Acute, Right, Obtuse
 (3)
 (4) Red: Obtuse
 Brown: Right
 Yellow: Right
 Blue: Acute

Page 3 – 27:
 (1) 3, 5, 8
 (2) 10, 9

Page 3 – 28:
 (1) Cylinder, Rectangular prism, Pyramid, cone, sphere, cube
 (2)

Page 3 – 29:
 (3) Pyramid, cylinder, cube
 Cone, , rectangular prism

Page 3 – 30:
 (1) Triangles
 (2) Hearts
 (3) Cylinders
 (4) All

Page 3 – 31:
 (5)  (6) 

Page 3 – 34:
 I love math! My brain plus math equal to smart!

Page 3 – 35: (1) It's 0

Page 3 – 36:
 (2) Red, Black, Blue, Yellow
 (3) Rectangles,
 (4) David, Brian, Scot, Kathy
 (5) cylinder

Explore the Secrets of Math Level 3 Book 1 Answers


Page 3 – 37:

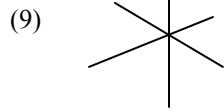
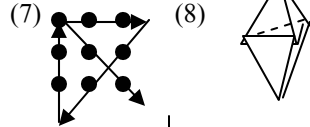
- (1) first in the second line

Page 3 – 38:

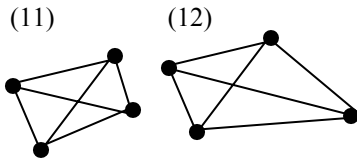
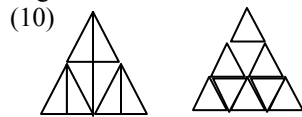
- (2) the middle one
(3) Yes
(4) Yes

Page 3 – 39:

- (5)  (6) 5 five angles



Page 3 – 40:



Page 4 – 3:

- 8, $1/8$, 1, 8
6, $1/6$, 1, 6
9, $1/9$, 1, 9
2, $1/2$, 1, 2
11, $1/11$, 1, 11
5, $1/5$, 1, 5
12, $1/12$, 1, 12

Page 4 – 5:

- $5/8$, 8, 5, 8
 $4/6$, 6, 4, 6
 $3/9$, 9, 3, 9
 $1/2$, 2, 1, 2
 $10/11$, 11, 10, 11
 $3/5$, 5, 3, 5
 $7/12$, 12, 7, 12

Page 4 – 7:

- (1) $3/8$, $2/8$, $5/8$, $7/8$, $4/8$, $1/8$
(2) $3/10$, $2/10$, $5/10$, $7/10$, $4/10$, $1/10$
(3) $9/15$, $6/15$, $7/15$, $10/15$

Page 4 – 9:

- (1) 3, 2, 5, 7, 4, 1
(2) 3, 2, 5, 7, 4, 5
(3) 5, 13, 14, 11

Page 4 – 10:

- (4) $5/6$, $3/6$
 $4/6$, $5/6$
(5) Gina, David, Michael, Gina, David

Page 4 – 12: (1)

- $2/8$, $3/8$, $5/8$, $6/8$, $7/8$
 $1/8$, $2/8$, $3/8$, $5/8$, $6/8$, $7/8$
 $1/2$
 $1/4$, $2/4$, $3/4$
 $2/8$, $3/8$, $1/2$, $5/8$, $6/8$, $7/8$

Page 4 – 13:

$$\frac{\frac{1}{4} - \frac{3}{4}}{7/8}$$

$$\frac{\frac{1}{4} - \frac{3}{4}}{2/8} \quad \frac{5/8}{2/4} \quad \frac{6/8}{3/4} \quad \frac{7/8}{4/4}$$

$$\frac{2/8}{2/4} \quad \frac{3/9}{2/4} \quad \frac{4/8}{3/4} \quad \frac{5/8}{4/4} \quad \frac{6/8}{4/4} \quad \frac{7/8}{4/4} \quad \frac{8/8}{4/4}$$

$$\frac{2/8}{0/8} \quad \frac{3/8}{1/8} \quad \frac{4/8}{2/8} \quad \frac{5/8}{3/8} \quad \frac{6/8}{4/8} \quad \frac{7/8}{5/8} \quad \frac{8/8}{6/8} \quad \frac{8/8}{7/8}$$

Page 4 – 14:

- (2) a. 4, 4 b. 2, 2 c. 6, 6 d. 8, 8
(3) a. 2, 2 b. 4, 4 c. 6, 6 d. 8, 8

Page 4 – 16: (1)

- a. 4, 4, yes
b. 2, 2, yes
c. 6, 6, yes
d. 8, 8, yes
e. 4, 2, no
f. 2, 1, no
g. 6, 3, no

Page 4 – 17: (2)

- a. 2, 2, yes
b. 4, 4, yes
c. 6, 6, yes
d. 8, 8, yes
e. 2, 4, no
f. 4, 3, no
g. 6, 4, no

Page 4 – 18:

- | | |
|----------------|-------|
| $5/6$ | $2/3$ |
| $2/3$ $4/6$ | $5/6$ |
| $5/8$ | $2/4$ |
| $2/4$, $4/8$ | $5/8$ |
| $4/16$, $1/4$ | |

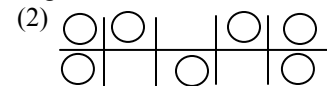
Page 4 – 19: <, >, >, =

Page 4 – 20: >, =, <, >, <, >, >, =, >, >

Page 4 – 22:

- | | |
|--------|----|
| (1) 6, | 2 |
| 4, | 1 |
| 3, | 12 |
| (2) 8, | 6 |
| 6, | 12 |
| 4, | 12 |
| 9, | 12 |
| (3) 5, | 3 |
| 10, | 6 |
| 15, | 9 |
| 12, | 15 |

Page 4 – 24:



- (3)
- | | |
|--------|-------|
| $6/8$ | $2/3$ |
| $6/8$ | $5/6$ |
| $5/8$ | $3/5$ |
| 1 | $3/4$ |
| 1 | $6/7$ |
| $9/10$ | 1 |
| $6/7$ | 1 |
| $7/10$ | 1 |
| $8/10$ | $5/8$ |
| $4/7$ | $5/6$ |

Page 4 – 25:

- | | |
|--------|-------|
| $9/10$ | $6/7$ |
| $1/2$ | 1 |
| 1 | 1 |

- (4)
- a. $4/8$, $2/8$, $6/8$
b. $1/4$, $1/8$, $3/8$
c. $3/8$, $3/8$, $6/8$
- (5)
- a. $1/3$, $1/4$, $7/12$
b. $1/2$, $1/3$, $5/6$

Explore the Secrets of Math Level 3 Book 1 Answers

Page 4 – 27: (1)

4/8	0
1/8	1/6
3/8	1/5
2/4	1/4
2/3	4/7
1/10	2/8
4/7	1/7
5/10	1/3
1/10	3/8
2/7	1/6
4/10	4/7
0	1

Page 4 – 28:

- (2)
- a. 4/8, 2/8, 2/8
 - b. 2/8, 1/8, 1/8
 - c. 7/8, 4/8, 3/8
 - d. 4/8, 2/8, 1/4
- (3)
- a. 5/12, 4/12, 1/12
 - b. 4/12, 3/12, 1/12
 - c. 6/12, 4/12, 2/12

Page 4 – 30:

(1)

○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

(2)

4/8	2/3
5/8	5/6
6/8	5/6
3/4	3/4
4/6	1/2
8/10	3/8
3/6	5/6

Page 4 – 31:

- | | |
|------|-----|
| 4/10 | 3/3 |
| 5/10 | 7/8 |
| 3/4 | 5/8 |
| 9/10 | 4/4 |
- (3)
- a. 4, 2, 4 + 2 = 6, 6/8
 - b. 2, 1, 2 + 1 = 3, 3/8
 - c. 4, 3, 4 + 3 = 7, 7/8

Page 4 – 32:

- d. 2, 2, 2 + 2 = 4, 1/2
- (2)
- a. 2, 4, 2 + 4 = 6, 1/2
 - b. 4, 3, 4 + 3 = 7, 7/12
 - c. 6, 4, 6 + 4 = 10, 5/6
 - d. 8, 4, 8 + 4 = 12, one

Page 4 – 34:

0/8 = 0	0/3
3/8	1/6
2/8	1/6
1/4	1/4
0/6	1/3
2/10	5/8
2/6	1/6
0/10	1/3
0/10	2/8
1/4	1/8
5/10	0/4
1/8	1/6

Page 4 – 35:

- (2)
- a. 4, 4, 4 – 4 = 0
 - b. 4, 2, 4 – 2 = 2
 - c. 3, 2, 3 – 2 = 1
 - d. 6, 4, 6 – 4 = 2
- (3)
- a. 7, 6, 7 – 6 = 1
 - b. 3, 3, 3 – 3 = 0
 - c. 9, 6, 9 – 6 = 3

Page 4 – 37:

- 2 1/2, 2, one half, 2, 1/2
- 3 1/2, 3, one half, 3, 1/2
- 2 1/4, 2, one fourth, 2, 1/4
- 3 3/8, 3, three eighths, 3, 3/8
- 3 3/4, 3, three fourths, 3, 3/4
- 3 5/8, 3, five eighths, 3, 5/8

Page 5 – 3:

12	3
24	6
36	9
48	12
60	15
72	18
84	21
96	24
108	27

Page 5 – 4:

1	3
2	4

Page 5 – 5:

1	1
2	2
3	3
(2)	
1	1
2	2
3	3
6	6

Page 5 – 5:

(3)

12, 1	12, 3
3, 1	9, 3
4, 1	24, 6
2, 1	12, 1
2, 1	3, 1
2, 1	24, 2
3, 1	6, 2
4, 1	48, 4
5, 1	12, 4

Page 5 – 6:

(4)

12, 1	12, 2
12, 3	12, 4
12, 5	12, 6
12, 7	12, 8
12, 9	12, 10

4	10
5	15
6	20
7	40

3, 12, 72	12, 3, 2
3, 12, 108	12, 3, 3
3, 12, 144	12, 3, 4
3, 12, 180	12, 3, 5
3, 12, 216	12, 3, 6
3, 12, 252	12, 3, 7

Page 5 – 8:

- (2) 4, (3) 5, (4) 8, (5) 7, (6) 38

Page 5 – 10:

- (2) 1, (3) 3, (4) 5, (5) 6

Page 5 – 12:

- (2) 2, (3) 3, (4) 4, (5) 5

Page 5 – 14:

- (2) 2 1/2 (3) 3 1/2 (4) 4 1/2 (5) 5 (6) 6

Page 5 – 15:

- (8) 1 2/3 (9) 2 2/3 (10) 3 (11) 3 1/3 (12) 4

Page 5 – 17:

1,000	100
10	2,000
200	20
30	3,000
300	30

Explore the Secrets of Math Level 3 Book 1 Answers

Page 5 – 17: (Count.)

40	3,000
400	100
50	4,000
500	110
60	6,000
600	120
70	7,000
700	130
80	8,000
800	140
90	9,000
900	150

Page 5 – 18: (2)
a. d. c. c. b. a. c. c. a

Page 5 – 19:

(1)

0.53	1.06
1.32	1.85
7.56	15.12
18.9	26.46
0.66	20.79
1.46	24.57

(2) 10.92 (3) 0.53

Page 5 – 20:

(1)

2, 1	2, 1.5
2, 2	2, 2.5
2, 4	2, 8
2, 12	2, 16
5	9

(2) 4.25 (3) 11

Page 5 – 21:

(1)

2, 1	2, 2
2, 3	2, 4
2, 4	2, 6
2, 8	2, 10
1.25	11
2.75	13

(2) 16 (3) 8.5

Page 5 – 22:

16, 16	16, 32
16, 48	16, 64
16, 80	16, 96
16, 102	16, 128
16, 144	16, 160
16, 1	1
16, 2	2
16, 3	3
16, 4	4
16, 5	5

Page 5 – 23:

(1)

3.78	0.26
2	0.5
2	0.5
16	1

(2)

3.78, 4, 8
18.9, 20, 40
 $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{16}$
4, 2, $\frac{1}{2}$
32
48
16
160

Page 5-24
28

Page 5-27

1,000=2,000ml	1,000 = 2 L
1,000=3,000ml	1,000 = 3 L
1,000=4,000ml	1,000 = 4 L
1,000=5,000ml	1,000 = 5 L
1,000=6,000ml	1,000 = 6 L
1,000=7,000ml	1,000 = 7 L
1,000=8,000ml	1,000 = 8 L
1,000=9,000ml	1,000 = 9 L
1,000=10,000ml	1,000 = 10 L
1,000=11,000ml	1,000 = 11 L
1,000=12,000ml	1,000 = 12 L

Page 5-28
(3) 854°F
(4) 58°F

Page 5-29

1. International Falls, Minnesota
36.4°F
2. Duluth, Minnesota 38.2°F
3. Caribou, Maine 38.9°F
4. Marquette, Michigan 39.2°F
5. Sault Ste, Marie 39.7°F

Page 5-30

1. Fort Myers, Florida 73.9°F
2. Yuma, Arizona 73.9°F
3. West Palm Beach, Florida
74.6°F
4. Miami, Florida 75.6°F
5. Keywest, Florida 77.7°F

Page 5-31
(3) 456
(4) 22.8

Page 5-32

1. International Falls, Minnesota
2.4°C
2. Duluth, Minnesota 3.4°C
3. Caribou, Maine 3.8°C
4. Marquette, Michigan 4.0°C
5. Sault Ste, Marie 4.3°C

Page 5-33

1. Fort Myers, Florida 23.3°C
2. Yuma, Arizona 23.3°C
3. West Palm Beach, Florida
23.7°C
4. Miami, Florida 24.2°C
5. Keywest, Florida 25.4°C

Page 5-34
8 8 10

Explore the Secrets of Math Level 3 Book 1 Answers

Page 5-35
 12 10 12
 18 13 18
 20 26 22

Page 5-36
 12 8 8
 9 9 8

Page 5-37
 (2) 20 25
 (3) 3 4 9
 5 10

Page 5-38
 1. 8cm^2
 2. 10
 3. 4
 4. 14
 5. 16
 6. 20

Page 5-40
 1. 48
 72
 144
 2. 36
 40
 80
 3. 88
 240
 480

Page 5-41
 4. 72
 80
 240
 5. 80
 96
 288
 6. 140
 300
 900

Page 5-42
 7. 36
 48
 8. 96
 288
 9. 42
 90

Page 5-44
 1. 16
 12
 6

Page 5-44 cont.
 2. 22
 24
 12
 3. 8
 3
 1.5

Page 5-45
 4. 6
 5. 1
 6. 10
 7. 15
 8. 600
 9. 100
 10. 1,000

Page 5-46
 13. 6 9 3 6 4.5
 6 9 6 6

Page 5-47
 14. 9
 12
 9
 4.5
 15. 4
 1
 6

