

Level 2 Book 1 Answers

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(1,1) (2,2) (3,3)
(4,4) (5,5) (6,6)
(7,7) (8,8) (9,9)

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Addition facts through 9

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

Subtraction facts through 9

8, 7, 6, 5, 4
3, 2, 1, 0, 7
6, 5, 4, 3, 2
1, 0, 6, 5, 4
3, 2, 1, 0, 5
4, 3, 2, 1, 0
4, 3, 2, 1, 0
3, 2, 3, 2, 1
0, 1, 9, 8, 5

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8, 5, 5, 6
6, 6, 8, 4
3, 3, 1, 0
3, 3, 3, 2
7, 7, 5, 8
7, 9, 8, 5
7, 6, 4, 9
9, 8, 5, 7
9, 9, 9, 9
8, 8, 11, 6
7, 10, 10, 6
2, 4, 4, 4
3, 3, 1, 9
4, 3, 5, 14
10, 9, 8, 9
12, 15, 5, 11
13, 16, 3, 13
11, 10, 12, 5

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(1,0) (4,0)
(3,6) (4,5)

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10; (1,0) 30; (3,0) 22; (2,2)
48; (4,8) 54; (5,4) 35; (3,5)

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20, 30, 40, 50, 60
70, 80, 90, 30, 40
50, 60, 70, 80, 90
40, 50, 60, 70, 80
90, 50, 60, 80, 90
70, 70, 80, 90, 60
10, 30, 20, 10, 40
40, 70, 60, 50, 80
10, 30, 20, 10, 40
40, 70, 60, 50, 80
10, 30, 20, 40, 70
50, 60, 30, 10, 20
40, 50, 10, 60, 20
0, 40, 30, 20, 50
10, 30, 20, 10, 40
26, 38, 49, 59, 65
79, 88, 98, 34, 47
58, 66, 79, 86, 99
49, 56, 67, 79, 88
99, 56, 69, 89, 97
79, 79, 89, 98, 68

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14, 32, 23, 13, 42
42, 71, 60, 50, 82
11, 33, 20, 41, 72
53, 63, 32, 13, 22
41, 52, 12, 66, 21
2, 41, 31, 24, 51
13, 33, 23, 15, 41

30

56

58

69

97

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10, 11, 12, 13, 14, 15, 16, 17, 18
9, 10, 11, 12, 13, 14, 15, 16, 17
8, 9, 10, 11, 12, 13, 14, 15, 16

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7, 8, 9, 10, 11, 12, 13, 14, 15
6, 7, 8, 9, 10, 11, 12, 13, 14
5, 6, 7, 8, 9, 10, 11, 12, 13
4, 5, 6, 7, 8, 9, 10, 11, 12
3, 4, 5, 6, 7, 8, 9, 10, 11
2, 3, 4, 5, 6, 7, 8, 9, 10
20, 21, 22, 33, 34, 35, 46, 47, 48

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19, 20, 21, 32, 33, 34, 45, 46, 47
18, 19, 20, 31, 32, 33, 44, 45, 46
17, 18, 19, 30, 31, 32, 43, 44, 45
16, 17, 18, 29, 30, 31, 42, 43, 44
15, 16, 17, 28, 29, 30, 41, 42, 43
14, 15, 16, 27, 28, 29, 40, 41, 42
13, 14, 15, 26, 27, 28, 39, 40, 41

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12, 13, 24, 25, 36, 37, 48, 59, 70
13, 14, 25, 26, 37, 38, 49, 60, 71
14, 15, 26, 27, 38, 39, 50, 61, 72

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15, 16, 27, 28, 39, 40, 51, 62, 73
16, 17, 28, 29, 40, 41, 52, 63, 74
17, 18, 29, 30, 38, 49, 60, 69, 70
8, 16, 14, 37, 17, 16, 19, 9, 47
9, 43, 56, 25, 59, 37, 16, 25, 27
39, 39, 55, 33, 18, 44, 35, 44, 37
38, 48, 26, 68, 47, 32, 39, 45, 29
35, 47, 58, 28, 36, 16, 18, 46, 45

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125, 173

148, 193

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2,423 7,251 6,063 9,430 7,273 6,221 4,705 3,725 6,319
4,851 2,661 5,683 4,341 8,127 4,924 6,134 4,627 8,649
2,343 7,181 5,993 9,380 7,243 6,181 4,685 3,705 6,306
2,223 6,551 5,763 8,630 6,473 5,421 4,405 3,225 6,019
2,045 6,317 4,715 8,320 6,395 5,467 3,849 3,331 4,321
3,677 1,709 4,739 3,009 6,779 3,570 4,778 3,948 7,491
1,854 5,617 4,415 7,520 5,595 4,667 3,649 2,831 4,021

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3,423 10,251 10,063 10,430 9,273 7,221 7,705
9,851 8,661 8,683 6,341 9,127 6,924 8,134
5,343 9,191 8,993 9,980 9,243 9,181 6,685
5,233 8,551 8,763 9,630 8,473 7,921 8,405
1,045 4,317 2,715 5,320 4,395 4,467 1,949
1,677 709 1,739 2,009 2,779 1,570 1,778
125 1,377 2,785 4,370 1,425 427 1,929
845 2,617 1,415 3,520 1,595 2,667 2,649

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502
940
366
244
1,004
500

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(3) Set A: {1, 3, 5, 7, 9, 13, 100, 200, 300}
Set B: {2, 4, 6, 8, 10, 11, 100, 200, 300}
Yes, since 100, 200, and 300 are in both set A and set B.

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5
3
3

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(1) Yes; the elements are the whole numbers
(2) Yes; the elements are the whole numbers
(3) Yes; the elements are the even numbers
(4) Yes; the elements are the odd numbers
(5) Yes; the elements are animal's names
(6) Yes; the elements are food

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(4) Yes, since Kingfisher is in both set A and set B.
(5) Yes, since Athlete is in both set A and set B.
(6) Yes, since Monitor is in both set A and set B.

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(4) {2 x 1, 3 x 1, 4 x 1, 5 x 1, 6 x 1, 7 x 1, 8 x 1, 9 x 1}
There are 8 multiplication expressions in the new set.

(5) {2 x 0, 3 x 0, 4 x 0, 5 x 0, 6 x 0, 7 x 0, 8 x 0, 9 x 0}
There are 8 multiplication expressions in the new set.

(6) {1, 3, 5, 6, 2, 4, 6, 8}
There are 8 numbers in the new set.

(7) {Red, blue, yellow, green, gray, brown, purple}
There are 7 colors in the new set.

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(7) Yes; the elements are stars
(8) Yes; the elements are polygons
(9) Yes; the elements are arrows
(10) Yes; the elements are names
(11) Yes; the elements are multiplication expressions
(12) Yes; the elements are multiplication expressions

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(1) Set A has 10, 20, 30, 40, and 50;
Set B has 20 and 40

(2) Set A has 3, 5, 7, 9, 11 and 13; Set B has 7, 9, and 11

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(3) Set A has tuber, flower, fruit, seed, stem, leaves, root and bulb.
Set B has tuber, fruit and flower.
(4) Set A has animal, plants, fungi, and protests.
Set B has plants and fungi.
(5) Set A has amphibian, bird, fish, reptile and mammal.
Set B has mammal
(6) Set A has vertebrate, invertebrate, cow, horse, dog, worm and clam.
Set B has invertebrate, worm, and clam.

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(8) {USA, Mexico, Canada} + {China, India, Japan} = {USA, Mexico, Canada, China, India, Japan}
There are 6 countries in the new set.

(9) {1, 3, 5, 7} + {Pig, cat, dog} = {1, 3, 5, 7, pig, cat, dog}
There are 7 elements in the new set.

(10) {leg, hand, head, arm} + {eye, ear, nose, mouth} = {leg, hand, head, arm, eye, ear, nose, mouth}
There are 8 elements in the new set.

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(1) Yes
(2) Set A: {1, 2, 3, 5, 8, 13, 100}
Set B: {4, 6, 7, 8, 10, 100}
Yes, since 100 is in both set A and set B.

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(11) {Lung, heart} = {skin, bone} =
{lung, heart, skin, bone}
There are 4 elements in the new set.

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(12) {Chair, table, bed} + {sit, read, sleep} = {chair, table, bed, sit, read, sleep}

There are 6 elements in the new set.

(13) {Book, radio, TV} + {read, listen, watch} = {book, radio, TV, read, listen, watch}

There are 6 elements in the new set.

(14) 6; Gina, Oriana, Sonia, David, Michael, and Joe.

(15) 5; Porcupine, rabbit, opossum, turtle, and ostrich.

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(1) 2, 3

(2) 2, 1

(3) Part 1: Green, blue. Part 2: One squirrel gets into the green house. Two squirrels get into the blue house.

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(4) {1, 3, 5, 7}
There are 4 numbers in set C.

(5) {1, 3, 5, 7, 9}
There are 5 numbers in set C.

(6) {1, 2, 3, 4}
There are 4 numbers in set C.

(7) {5, 6, 7, 8, 9}
There are 5 elements in the new set.

(8) {2, 4, 6, 8}
There are 4 elements in the new set.

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(9) {1, 2, 3, 4, 5}
There are 5 elements in the new set.

(10) {3 x 0, 4 x 0, 5 x 0, 6 x 0, 7 x 0, 8 x 0, 9 x 0}
There are 7 multiplication expressions in the new set C.
Yes.

(11) {Red, blue}
There are 2 color cards in the new set C.

(12) Gina, Oriana, Sonia.
There are 3 people in the new set C.

(13) Gina, Oriana, Sonia.

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(14) {USA, Mexico, Canada}
There are 3 countries in the new set C.
Yes

(15) 1, 3, 5, 7, 9
There are 5 elements in the new set.
Yes
Yes

(16) 3 x 1, 4 x 1, 5 x 1, 6 x 1, 7 x 1, 8 x 1, 9 x 1.
There are 7 elements in the new set.
Yes
Yes

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(17) 2 x 1, 4 x 1, 6 x 1, 8 x 1
There are 4 elements in the new set.
Yes
Yes

(18) 1 x 1, 3 x 1, 5 x 1, 7 x 1, 9 x 1
There are 5 elements in the new set.
Yes
Yes

(19) USA, Mexico and Canada.
There are 3 new countries in the new set.
Yes
Yes

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(20) Speaker and phone
There are 2 elements in the new set.
Yes
Yes

(21) Bicycle, chair, bed
There are 3 elements in the new set.
Yes
Yes

(22) Eye, ear, mouth, nose.
There are 4 elements in the new set.
Yes
Yes

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(23) A, B, C
Yes
Yes

(24) Porcupine and rabbit
Yes
Yes

(25) Flower, fruit, leaf, root, seed, stem.
Yes
Yes

(26) Jack pine, red pine, white pine, bark, sapwood, heartwood.
Yes
Yes

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(27) 1, 2, 3, 4, 5, 6, 7, 8, 9
1, 2, 3, 4, 5, 6, 7, 8, 9

(28) All the elements in Set A.
All the elements in Set A

(29) Yes
No
Yes
No

(30) Yes
No
No
No

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(31) The union has two sets of 7 elements.
The difference of the 2 sets has 1 element.

(32) The union of the two sets has 5 elements.
The difference of the two sets has 5 elements.

(33) The union of the two sets has 10 elements.

The difference of the two sets has 10 elements.

(34) The difference of the two sets has 6 elements.

The union of the two sets has 10 elements.

(35) The difference of the two sets has 8 elements.

The union of the two sets has 15 elements.

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Chapter 2

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Tens, tens

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Hundreds, hundreds
Thousands, thousands
Ones, ones

Thousands, hundreds, tens, ones
Thousands, hundreds, tens, ones
Thousands, hundreds, tens, ones
Thousands, hundreds, tens, ones
Thousands, hundreds, tens, ones
Thousands, hundreds, tens, ones
Thousands, hundreds, tens, ones
Thousands, hundreds, tens, ones

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1, 8
7, 4
2, 3, 4, 5
6, 2, 9, 1
9, 0, 0, 0
8, 0, 0, 1
1, 3, 5, 6
4, 2, 7, 5
6, 1, 0, 5
3, 5, 4, 4
7, 5, 0, 3
2, 9, 4, 5
3, 3, 3, 3
5, 5, 5, 5

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2, 5
20, 60
200, 300
2,000, 7,000
21, 67
201, 809
2,001, 721
261, 492
6,200, 6,201
9,060, 1,602
8,010, 2,102
5,030, 2,106
7,090, 6,102
4,300, 1,206
1,579
7,895
9,787
7,777
8,888
1,234

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Two thousand three hundred forty five
Eight thousand three hundred ninety
Five thousand six hundred ninety two
Three thousand six hundred ninety one
Six thousand five hundred ninety two
Five thousand five hundred thirty three
Six thousand six hundred seventy seven
Three thousand four hundred fifty six
Eight thousand seven hundred sixty five
Nine thousand one hundred forty two
Eight thousand two hundred forty
Four thousand four hundred forty four
Five thousand
Three thousand six hundred one
Nine thousand two hundred six
One thousand three
Two thousand five
Four thousand eight
Three thousand five hundred one

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3,100, 6,748
8,500, 9,675
2,700, 18, 27, 36, 45, 54, 63, 72, 81, 90
321, 2,468

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793, 4,099, 4,999 67, 299, 1,001
743, 999, 4,600 201, 981, 1,993

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5,000, 4,000, 8,000, 7,000
0, 900, 600, 900
50, 20, 0, 40

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5, 1, 2, 0
9,000, 500, 10
3,000, 400, 50
7,000, 600, 50
4,000, 300, 20
6,000, 500, 40
9,000, 300, 60
4,000, 300, 21
8,000, 0, 40
6,000, 300, 76
8,000, 300, 72

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5,000+600+10+9
7,000+300+90+3, 9,000+200+80+4
3,000+800+40+5, 2000+400+70+5

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4,000+200+0+1, 3,000+300+30+0
3,000+600+50+2, 6,000+900+30+5
5,000+300+00+2, 9,000+500+20+1
7,000+700+70+7, 7,000+500+90+3
3,000+000+00+0, 6,000+600+60+0
6,000+000+80+3, 4,000+000+00+6
5,000+500+30+4, 2,000+100+00+9
2,000+100+00+9, 6,000+700+00+3
5,000+700+80+4, 9,000+000+20+1
6,000+200+40+2, 6,242
6,000
200
40
$$\begin{array}{r} + \quad 2 \\ \hline 6,242 \end{array}$$

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1,000+600+90+8, 7,000+400+40+2
1,698, 7,442

1,000	7,000
600	400
90	40
$\begin{array}{r} + \quad 8 \\ \hline 1,698 \end{array}$	$\begin{array}{r} + \quad 2 \\ \hline 7,442 \end{array}$

1,000+100+10+1, 7,000+700+70+7
1,111, 7,777

1,000	7,000
100	700
10	70
$\begin{array}{r} + \quad 1 \\ \hline 1,111 \end{array}$	$\begin{array}{r} + \quad 7 \\ \hline 7,777 \end{array}$

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No, Yes
Yes, No
18, 17, 12, 7, 10
1, 1, 1, 0, 1
13, 17, 4, 13, 10, 6
1, 1, 0, 1, 1, 0

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

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(2) 1+11 (3) 1+12 (4) 1+13
2+10 2+11 2+12
3+9 3+10 3+11
4+8 4+9 4+10
5+7 5+8 5+9
6+6 6+7 6+8
7+7

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- (5) 1+14 (6) 1+15
 2+13 2+14
 3+12 3+13
 4+11 4+12
 5+10 5+11
 6+9 6+10
 7+8 7+9
 8+8

- (7) 1+16 (8) 1+17
 2+15 2+16
 3+14 3+15
 4+13 4+14
 5+12 5+13
 6+11 6+12
 7+10 7+11
 8+9 8+10
 9+9

- (9) 1+18 (10) 1+19
 2+17 2+18
 3+16 3+17
 4+15 4+16
 5+14 5+15
 6+13 6+14
 7+12 7+13
 8+11 8+12
 9+10 9+11
 10+10

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- 100, 100, 100, 100
 100, 100, 110, 100
 110, 100, 110, 100
 100, 110, 100, 110
 100, 100, 100, 110
 100, 110, 100, 100
 100, 100, 100, 100,
 100, 110, 100, 100
 110, 120, 110, 100

(2) Answers will vary.

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- 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100

- 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100

- 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100

- 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100
 100, 100, 100, 100

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- 10+10 = 20
 10+10 = 20 10+10 = 20
 10+10 = 20 10+10 = 20
 10+10 = 20 10+10 = 20
 10+10 = 20 10+10 = 20

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- 19 + 81 = 100 + 75 = 175
 68 + 32 = 100 + 45 = 145
 87 + 13 = 100 + 91 = 191
 57 + 43 = 100 + 74 = 174

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- 42 + 58 = 100 + 39 = 139
 19 + 81 = 100 + 47 = 147
 63 + 37 = 100 + 87 = 187
 48 + 52 = 100 + 22 = 122
 (78 + 22) + (87 + 13) = 100+100=200
 (49 + 51) + (23 + 17) = 100+40=140
 (66 + 34) + (99 + 101)=100+200=300
 (45 + 55) + (36 + 64) = 100+100=200
 (28 + 72) + (19 + 81) = 100+100=200
 (49 + 51) + (52 + 48) = 100+100=200
 (61 + 39) + (82 + 18) = 100+100=200
 (75 + 25) + (66 + 34) = 100+100=200
 (11 + 89) + (79 + 21) = 100+100=200
 (33 + 67) + (99 + 1) = 100+100=200

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- 30+9+70+91 = (30+70) + (9+91) =
 100+100=200
 10+8+90+32 = (10+90) + (8+32) =
 100+8+32=140
 5+ (20+80) +5+90 = (20+80) +
 (5+5+90) = 100+100=200
 30+2+70+9+89 = (30+70) +
 (2+9+89) = 100+100+200

- 50+ (5+95) +50 = (5+95) + (50+50) =
 100+100= 200

20+ (18+82) +80 = (18+82) + (20+80) =
 100+100=200

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50+ (24+76) + 45 = (24+76) + (50+45) =
 100+95= 195

24+ (23+77) + 76 = (23+77) + (24+76) =
 100+100=200

23+ (13+87) + 77 = (23+77) + (13+ 87) =
 100+100=200

4+ (30+70) + 9+7 = (30+70) + (4+9+7) =
 100+20=120

9+ (90+10) + 1+90 = (90+10) + (9+1+90)
 = 100+100=200

60+ (21+79) + 40 = (21+79) + (60+40) =
 100+100=200

10+90+5+95 = (10+90) + (5+95) =
 100+100=200

20+80+2+98 = (20+80) + (2+98) =
 100+100=200

3+ (4+46) + 47 = (4+46) + (3+47) =
 50+50=100

(20+4) + 76+60 = (24 + 76) + 60 =
 100+60=160

(77+3) + (15 + 85) = 100+80=180

20+36+64+7 = (36+64) + (20+7) =
 100+27=127

9+ (130+70) + 91 = (130+70) + (9 + 91) =
 200+100=300

(110+90) + (8+32) = 200+40=240

(215+85) + (10+90) = 300+100=400

(230+70) + (2+9+9) + 80 = 300 + (20+80)
 = 400

(355+45) + (5+50) = 400+100 = 500

(338+62) + (20+80) = 400+100 = 500

50+ (26+474) + 45 = (26 +474) + (50+45)
 = 500+95 = 595

50+ (26+374) + 45 = (26+374) + (50+45)
 = 400+95 = 495

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$$30+4+2+76+98 = (76+4) + (98+2) \\ +30 = 80+100+30 = 210$$

$$14+ (4+96) + 32 = (4+96) + (14+32) = \\ 100+46 = 146$$

$$20+3+2+87+98 = (83+7) + (98+2) \\ +20 = 100+100+20=220$$

$$30+3+4+77+86 = (77+3) + (86+4) \\ +30 = 80+90+30 = 200$$

$$5+2+ (3+97) +48 = 100+ (48+2) + 50 \\ = 100+50+50= 200$$

$$30+5+3+87+85 = (87+3) + (85 +5) \\ +30 = 90+90+30 = 210$$

$$70+3+1+79+47 = (79+1) + (47+3) \\ +70 = 80+50+70=200$$

$$40+3+4+86+37 = (86+4) + (37+3) \\ +40 = 90+40+40=170$$

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$$30+3+3+87+77 = (87+3) + (77+3) \\ +30 = 90+80+30=200$$

$$40+5+1+79+35 = (79+1) + (35+5) \\ +40 = 80+40+40 =160$$

$$10+3+1+99+97 = (99+1) + (97+3) \\ +10 = 100+100+10 = 210$$

$$40+3+1+79+87 = (87+3) + (79+1) \\ +40 = 90+80+40 = 210$$

$$10+2+5+95+98 = (98+2) + (95+5) \\ +10 = 100+100+10 = 210$$

$$20+5+4+86+95 = (86+4) + (95+5) \\ +20 = 100+90+20 = 210$$

$$40+3+3+47+7 = (47+3) + (7+3) +40 = \\ 50+10+40 = 100$$

$$20+1+2+78+69 = (78+2) + (69+1) \\ +20 = 80+70+20 =170$$

$$10+5+3+87+75 = (87+3) + (75+5) \\ +10 = 90+80+10 = 180$$

$$30+2+4+56+68 = (68+2) + (56+4) \\ +30 = 70+60+30 = 160$$

$$10+4+2+98+76 = (98+2) + (76+4) \\ +10 = 100+80+10 = 190$$

(Continued from Page: 2-27)

$$30+2+98+96 = (98+2) + 96 + 30 = \\ 100+96+30 = 226$$

$$40+2+3+87+98 = (98+2) + (87+3) \\ +40 = 100+90+40 = 230$$

$$80+3+3+77+87 = (87+3) + (77+3) \\ +80 = 90+80+80 = 250$$

$$170+2+3+97+58 = (97+3) + (58+2) \\ +170 = 100+60+170 = 330$$

$$550+5+3+87+85 = (85+5) + (87+3) \\ +550 = 90+90+550 = 730$$

$$40+1+6+334+79 = (334+6) + (79+1) \\ +40 = 340+80+40 = 460$$

$$80+3+3+37+287 = (287+3) + (37+3) \\ +80 = 290+80+40 = 410$$

$$160+3+3+87+77 = (77+3) + (87+3) \\ +160 = 80+90+160 = 330$$

$$70+4+3+87+536 = (536+4) + (87+3) \\ +70 = 540+90+70 = 700$$

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$$11-11+1+1+1+1=4$$

$$111-111+1+1=0$$

$$111-111-11+11=0$$

$$21-21+21-21=0$$

$$21-21+21-21-21+21=0$$

$$7-4=3$$

$$7-4+77=3+77$$

$$1+17-7+2+1=12+2$$

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1111, 1881, answers will vary.

$$000000$$

$$8+2-1=9$$

$$25+18-1=42$$

Chapter 3

Page: 3-2

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

$$0,0,0,0$$

Page: 3-3

One

Two, two

Three, three

Four, four

Five, five

Six, six

Seven, seven

Eight, eight

Nine, nine

Page: 3-4

1, 10, 100, 135

2, 20, 200, 347

3, 30, 300, 745

4, 40, 400, 565

5, 50, 500, 935

6, 60, 600, 986

7, 70, 700, 678

8, 80, 800, 925

9, 90, 900, 575

88, 34, 456, 657

45, 79, 721, 509

39, 73, 532, 613

95, 60, 478, 689

88, 34, 456, 657

45, 79, 721, 509

999, 888, 777, 333

6,999, 7,888, 3,777, 9,333

1,868, 2,959, 3,924, 4,795

6,838, 9,973, 6,358, 2,569

Page: 3-6

5

1

$$1+1+1+1+1=5$$

$$5 \times 1 = 5$$

5, 5

1, 1, 1, 1

9, 9

1, 1, 1, 1, 1, 1, 1, 1

Page: 3-7

8, 8

1, 1, 1, 1, 1, 1, 1

7, 7

1, 1, 1, 1, 1

9

7

2

6

4

8

3

$$1 \times 8 = 8$$

$$1 \times 4 = 4$$

$$1 \times 2 = 2$$

$$1 \times 9 = 9$$

$$1 \times 7 = 7$$

Level 2 Book 1 Answers

1 x 3 = 3
1 x 6 = 6

Page: 3-8

Two
Four, four
Six, six
Eight, eight
Ten, ten
Twelve, twelve
Fourteen, fourteen
Sixteen, sixteen
Eighteen, eighteen

Page: 3-9

2, 2, 2, 2
4, 4, 4, 4
6, 6, 6, 6
8, 8, 8, 8
10, 10, 10, 10
12, 12, 12, 12
14, 14, 14, 14
16, 16, 16, 16
18, 18, 18, 18
2, 2, 2, 2
4, 4, 4, 4
6, 6, 6, 6
8, 8, 8, 8
10, 10, 10, 10
12, 12, 12, 12
14, 14, 14, 14
16, 16, 16, 16
18, 18, 18, 18

Page: 3-11

5
2
2+2+2+2+2 = 10
2 x 5 = 10
9, 18
2, 2, 2, 2, 2, 2, 2

Page: 3-12

8, 16
2, 2, 2, 2, 2, 2, 2
7, 14
2, 2, 2, 2, 2
18
14
4
12
8
16
6
2 x 8 = 16
2 x 4 = 8
2 x 2 = 4
2 x 9 = 18
2 x 7 = 14
2 x 3 = 6
2 x 6 = 12

Page: 3-13

2, five
3, eight
4, two
5, three
6, seven
7, four
8, nine
9, six

12, 2, 2, 2
14, 4, 4, 4
4, 6, 6, 6
6, 8, 8, 8
8, 10, 10, 10
10, 4, 12, 12
12, 12, 14, 14
14, 14, 4, 8
16, 16, 6, 10
18, 18, 8, 12

Page: 3-14

2 x 7 = 14
2 x 5 = 10
4 x 2 = 8
3 x 2 = 6
2 x 3 + 3 = 9

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2, 2
3, 4
2 x 3 = 6, 2 x 4 = 8
2, 2, 2
5, 6, 7
2 x 5 = 10, 2 x 6 = 12, 2 x 7 = 14

Page: 3-16

2, 2
8, 9
2 x 8 = 16, 2 x 9 = 18

4, 6

2, 2
4 x 2 = 8, 6 x 2 = 12

3, 5

2, 2
3 x 2 = 6, 5 x 2 = 10

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Six, six
Nine, nine
Twelve, twelve
Fifteen, fifteen
Eighteen, eighteen
Twenty-one, twenty-one
Twenty-four, twenty-four
Twenty-seven, twenty-seven

Page: 3-18

3, 3, 3, 3
6, 6, 6, 6
9, 9, 9, 9
12, 12, 12, 12
15, 15, 15, 15
18, 18, 18, 18
21, 21, 21, 21
24, 24, 24, 24
27, 27, 27, 27
3, 3, 3, 3
6, 6, 6, 6
9, 9, 9, 9
12, 12, 12, 12
15, 15, 15, 15
18, 18, 18, 18
21, 21, 21, 21
24, 24, 24, 24
27, 27, 27, 27

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5
3
3+3+3+3+3 = 15
3 x 5 = 15
9, 27
3, 3, 3, 3, 3, 3, 3

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8, 24
3, 3, 3, 3, 3, 3, 3
7, 21
3, 3, 3, 3, 3
27
21
6
18
12
24
9
3 x 8 = 24
3 x 4 = 12
3 x 3 = 9
3 x 9 = 27
3 x 7 = 21
3 x 2 = 6
3 x 6 = 18

Page: 3-22

2, five
3, eight
4, three
5, three
6, seven
7, four
8, nine
9, six
18, 3, 3, 3
21, 6, 6, 6
9, 9, 9, 9
6, 12, 12, 12
12, 15, 15, 15
15, 9, 18, 18
18, 18, 21, 21
21, 21, 9, 12
24, 24, 9, 15
27, 27, 12, 18

Level 2 Book 1 Answers

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$3 \times 7 = 21$
 $3 \times 5 = 15$
 $3 \times 4 = 12$
 $3 \times 3 = 9$
 $3 \times 3 + 3 = 12$

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3, 3
 4, 5
 $3 \times 4 = 12, 3 \times 5 = 15$

Page: 3-25

3, 3, 3
 7, 8, 9
 $3 \times 7 = 21, 3 \times 8 = 24, 3 \times 9 = 24$

3, 3
 8, 9
 $3 \times 8 = 24, 3 \times 9 = 27$

4, 6
 3, 3
 $4 \times 3 = 12, 6 \times 3 = 18$

3, 5
 3, 3
 $3 \times 3 = 9, 3 \times 5 = 15$

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3, 4, 9

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0, 4, 6, 0, 4
 0, 6, 9, 0, 6
 0, 12, 18, 0, 12
 0, 2, 3, 0, 2
 0, 8, 12, 0, 8
 0, 14, 21, 0, 14
 0, 16, 24, 0, 16
 0, 18, 27, 0, 18
 1, 3, 2, 1, 3
 2, 6, 4, 0, 6
 3, 9, 6, 1, 9
 4, 12, 8, 2, 12
 5, 15, 10, 3, 15
 6, 18, 12, 4, 18
 7, 21, 14, 5, 21
 8, 24, 16, 6, 24
 9, 27, 18, 7, 27
 5, 15, 10, 8, 15
 8, 12, 14, 9, 18

Chapter 4

Page: 4-3
 2, 1, 1, 2
 2, 2
 3, 4, 8

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1, $2+1=3$
 $1+2+1=4, 3+1+1+1=6$

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Octagon, parallelogram, square
 Hexagon, pentagon, rectangle,
 triangle

Page: 4-6

4, 6
 $5, 5+1+5=11$

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3, 3
 4, 5

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Cylinder, rectangular prism, square
 pyramid

Cone, sphere, cube

Page: 4-9

Left: 9
 Right: 9

Cylinder, sphere, rectangles

Page: 4-10

Flat face, flat face
 Corner, corner
 Flat face, edge
 Flat face

No face, 6 faces, 6, faces, 2, faces, 1
 face
 No corner, 8 corners, 8, corners, no
 corner, 1 corner
 No edge, 12 edges, 12, edges, 2,
 edges, 1, edge

Page: 4-11

Square, cylinder
 Sphere, cone
 Rectangular prism, square pyramid

Page: 4-13

(5) yes

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Unlimited, 2, unlimited, 2, 1,
 unlimited

Page: 4-17

2, B
 5, C
 3, H
 6, F
 9, D
 4, E
 7, G

Page: 4-18

9, E
 2, C 10, C
 3, B 11, D
 2, D 8, B
 4, C 11, B
 6, B 8, D
 4, E 6, D

Chapter 5

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5
 6

Page: 5-3

22
 $4+2=6$
 $6+3=9$
 $25+ (25+9) = 59$
 $34+ (34+14) = 82$
 $57+ (57-21) = 93$
 $68+ (68+23) = 53$

Page: 5-4

10
 15, 20
 25, 30

Page: 5-5

35, 40
 45, 50
 55, 60
 20
 3, 20
 3, 20
 4, 30
 12
 10
 8
 7
 100
 9
 5
 6

Level 2 Book 1 Answers

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4, 20

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6, 30

8, 40

7, 55

4, 40

10

7, 12

6, 30

10, 50

16, 80

4, 20

18, 90

22, 110

48, 240

26, 130

34, 170

14, 70

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75, 15, 5, 5

100, 20, 10

100, 20, 5, 10

125, 25, 7, 9

600, 120, 4, 108

700, 140, 8, 124

Page: 5-10

25, 50

75, 100

5, 10

15, 20

10, 20

50, 100

2, 4

10, 20

175, 2

125, 75

54, 75

2

1

2

45

0

10

10

2

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$2 \times 4 = 8$ $2 \times 10 = 20$

$2 \times 20 = 40$ $2 \times 100 = 200$

16, 40

80, 400

24, 60

120, 600

Page: 5-12

100, 200

400, 500

20, 30

40, 50

40, 60

80, 100

4, 8

16, 20

\$2.00, \$3.00

\$3.00, \$8.00

\$4.00, \$2.00

\$3.00, \$3.00

\$3.75

\$2.10

\$0.75

\$0.80

\$3.00

\$6.00

Page: 5-13

\$2.00

\$0.70

\$1.10

\$1.00

\$2.00

\$4.00

\$5.25

\$11.25

\$2.00, 20, 40, 200

\$1.00, 4, 20, 100

\$1.00, 4, 10, 100

\$1.00, 4, 10, 20

6, 15, 30, 150

\$1.50, 15, 30, 150

\$1.50, 6, 30, 150

\$1.50, 6, 15, 150

\$1.50, 6, 15, 30

Page: 5-14

(1) $\$1.25 = \$1.00 + \text{one quarter}$

$\$1.25 = \$1.00 + \text{two dimes} + \text{one nickel}$

$\$1.25 = \$1.00 + \text{two dimes} + \text{five pennies}$

$\$1.25 = \$1.00 + \text{one dime} + \text{two nickels} + \text{five pennies}$

(2) $\$1.45 = 100+25+2 \times 10$

$\$1.45 = 100+25+10+2 \times 5$

$\$1.45 = 100+25+10+5+5 \times 1$

$\$1.45 = 100+25+4 \times 5$

$\$1.45 = 100+25+3 \times 5+5 \times 1$

$\$1.45 = 100+3 \times 10+3 \times 5$

$\$1.45 = 100+3 \times 10+2 \times 5+5 \times 1$

$\$1.45 = 100+2 \times 10+4 \times 5+5 \times 1$

Page: 5-15

10, 100

15, 90

20, 80

25, 70

30, 60

35, 50

40, 40

45, 30

50, 20

4, 6, 0, 8

6, 9, 3, 15

8, 12, 8, 12

10, 15, 15, 8

12, 18, 12, 13

14, 21, 21, 22

16, 24, 24, 15

18, 27, 18, 25

10, 10, 15, 11

0, 21, 16, 32

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14, 14, 12, 15

24, 15, 10, 20

9, 18, 18, 18

0, 21, 16, 24

12, 6, 6, 24

Chapter 6

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4, 4

12, 12

16, 16

20, 20

24, 24

28, 28

32, 32

36, 36

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4, 4, 4, 4

8, 8, 8, 8

12, 12, 12, 12

16, 16, 16, 16

20, 20, 20, 20

24, 24, 24, 24

28, 28, 28, 28

32, 32, 32, 32

36, 36, 36, 36

4, 4, 4, 4

8, 8, 8, 8

12, 12, 12, 12

16, 16, 16, 16

20, 20, 20, 20

24, 24, 24, 24

28, 28, 28, 28

32, 32, 32, 32

36, 36, 36, 36

Level 2 Book 1 Answers

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4
4
4, 4, 4, 4, 16
4, 4, 16
9, 36
4, 4, 4, 4, 4, 4, 4

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8, 32
4, 4, 4, 4, 4, 4, 4
7, 28
4, 4, 4, 4, 4
36
28
8
24
12
32
16
 $4 \times 8 = 32$
 $4 \times 4 = 16$
 $4 \times 4 = 16$
 $4 \times 7 = 28$
 $4 \times 4 = 16$
 $4 \times 6 = 24$

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2, 5
3, 8
4, 4
5, 4
6, 7
7, 4
8, 9
9, 6
24, 4, 4, 4
28, 8, 8, 8
12, 16, 12, 16
8, 12, 16, 12
16, 20, 20, 20
20, 16, 24, 24
24, 24, 28, 28
28, 28, 16, 16
32, 32, 16, 20
36, 36, 16, 24

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$4 \times 7 = 28$
 $4 \times 5 = 20$
 $4 \times 4 = 16$
 $4 \times 3 = 12$
 $4 \times 3 + 2 = 14$

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4, 4
5, 6
 $4 \times 5 = 20$, $4 \times 6 = 24$

Page: 6-10

4, 4, 4
7, 8, 9
 $4 \times 7 = 28$, $4 \times 8 = 32$, $4 \times 9 = 36$
4, 6
4, 4
 $4 \times 4 = 16$, $6 \times 4 = 24$
3, 5
4, 4
 $3 \times 4 = 12$, $4 \times 5 = 20$

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2, 3, 2

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10, 10
15, 15
20, 20
25, 25
30, 30
35, 35
40, 40
45, 45

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

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4
5
5, 5, 5, 5, 20
5, 4, 20
9, 45
5, 5, 5, 5, 5, 5, 5

Page: 6-16

8, 40
5, 5, 5, 5, 5, 5, 5
7, 35
5, 5, 5, 5, 5

45
35
10
30
15
40
20
 $5 \times 8 = 40$
 $5 \times 5 = 25$
 $5 \times 4 = 20$
 $5 \times 9 = 45$
 $5 \times 7 = 35$
 $5 \times 3 = 15$
 $5 \times 6 = 30$

Page: 6-17

2, 5
3, 8
4, 5
5, 5
6, 7
7, 5
8, 9
9, 6
30, 5, 5, 5
35, 10, 10, 10
15, 25, 15, 25
10, 15, 20, 15
25, 25, 25, 20
20, 25, 30, 30
30, 30, 35, 35
35, 35, 25, 25
40, 40, 25, 25
45, 45, 25, 30

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$5 \times 7 = 35$
 $5 \times 5 = 25$
 $5 \times 4 = 20$
 $5 \times 3 = 15$
 $5 \times 3 + 3 = 18$

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5, 5
6, 7
 $5 \times 6 = 30$, $5 \times 7 = 35$

Page: 6-20

5, 5, 5
7, 8, 9
 $5 \times 7 = 35$, $5 \times 8 = 40$, $5 \times 9 = 45$
4, 6
5, 5
 $4 \times 5 = 20$, $5 \times 6 = 30$
3, 5
5, 5
 $3 \times 5 = 15$, $5 \times 5 = 25$

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Page: 6-21

4, 2, 3

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4, 6, 8, 8
 6, 9, 12, 15
 8, 12, 16, 22
 10, 15, 20, 10
 12, 18, 24, 18
 14, 21, 28, 28
 16, 24, 32, 24
 18, 27, 36, 32
 10, 15, 20, 20
 30, 35, 40, 50
 20, 35, 20, 25
 5, 10, 25, 15
 15, 20, 30, 43
 25, 30, 20, 50
 35, 40, 25, 40
 45, 0, 30, 33
 10, 25, 40, 20
 15, 30, 45, 25
 20, 35, 0, 13

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12, 12
 18, 18
 24, 24
 30, 30
 36, 36
 42, 42
 48, 48
 54, 54

Page: 6-24

6, 6, 6, 6, 6
 12, 12, 12, 12, 12
 18, 18, 18, 18, 18
 24, 24, 24, 24, 24
 30, 30, 30, 30, 30
 36, 36, 36, 36, 36
 42, 42, 42, 42, 42
 48, 48, 48, 48, 48
 54, 54, 54, 54, 54
 6, 6, 6, 6, 6
 12, 12, 12, 12, 12
 18, 18, 18, 18, 18
 24, 24, 24, 24, 24
 30, 30, 30, 30, 30
 36, 36, 36, 36, 36
 42, 42, 42, 42, 42
 48, 48, 48, 48, 48
 54, 54, 54, 54, 54

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3
 6
 6, 6, 6, 18

6, 3, 18

9, 54
 6, 6, 6, 6, 6, 6, 6

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8, 48
 6, 6, 6, 6, 6, 6, 6
 7, 42
 5, 5, 5, 5, 5
 54
 42
 12
 36
 18
 48
 24
 $6 \times 8 = 48$
 $6 \times 5 = 30$
 $6 \times 4 = 24$
 $6 \times 9 = 54$
 $6 \times 7 = 42$
 $6 \times 3 = 18$
 $6 \times 6 = 36$

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2, 6
 3, 8
 4, 7
 5, 6
 6, 9
 7, 8
 8, 9
 9, 7
 30, 6, 6, 6
 42, 12, 12, 12
 18, 36, 18, 18
 12, 18, 24, 18
 36, 36, 36, 24
 24, 30, 30, 36
 36, 36, 42, 42
 42, 42, 36, 36
 48, 48, 30, 30
 54, 54, 54, 36

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$7 \times 6 = 42$
 $8 \times 6 = 48$
 $6 \times 4 = 24$
 $6 \times 3 = 18$
 $6 \times 3 + 5 = 23$

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6, 6
 7, 8
 $6 \times 7 = 42$, $6 \times 8 = 48$

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6, 5, 6
 9, 6, 6
 $6 \times 9 = 54$, $5 \times 6 = 30$, $6 \times 6 = 36$
 4, 7
 6, 6
 $4 \times 6 = 24$, $6 \times 7 = 42$
 3, 2
 6, 6
 $3 \times 6 = 18$, $2 \times 6 = 12$

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4, 2, 6

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4, 6, 8, 8
 6, 9, 12, 15
 8, 12, 16, 22
 10, 15, 20, 10
 12, 18, 24, 18
 14, 21, 28, 28
 16, 24, 32, 24
 18, 27, 36, 32
 10, 15, 20, 20
 30, 35, 40, 50
 20, 35, 20, 25
 5, 25, 25, 35
 10, 45, 30, 38
 36, 42, 48, 42
 54, 18, 12, 54
 0, 30, 18, 42
 54, 54, 21, 54
 6, 24, 36, 42
 12, 18, 48, 54

Chapter 7

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2, 4, 6
 2, 3, 5
 3, 6, 12

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2, 2, 4
 6, no, no
 2, no, 2
 8, 3
 4, 4

Page: 7-5

$\frac{1}{2}$, $\frac{1}{2}$
 $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$
 $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$
 $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$

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Page: 7-6

1/3, 1/3
1/3, 1/3, 1/3
1/3, 1/3, 1/3
1/3, 1/3, 1/3
1/3, 1/3, 1/3

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2/3, 2/3
2/3, 2/3, 2/3
2/3, 2/3, 2/3
2/3, 2/3, 2/3
2/3, 2/3, 2/3

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1/4, 1/4
1/4, 1/4, 1/4
1/4, 1/4, 1/4
1/4, 1/4, 1/4

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2/4, 2/4
2/4, 2/4, 2/4
2/4, 2/4, 2/4
2/4, 2/4, 2/4

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3/4, 3/4
3/4, 3/4, 3/4
3/4, 3/4, 3/4
3/4, 3/4, 3/4

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1/2, 2/2
0/2, 1/2, 2/2
1/3, 2/3, 3/3
1/4, 2/4, 3/4, 4/4
0/2, 1/2, 2/2
0/3, 1/3, 2/3, 3/3
1/4, 2/4, 3/4, 4/4

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0/0, 0/0, 2/2
0/3, 1/3, 2/3, 3/3
1/4, 2/4, 3/4, 4/4
0/4, 1/4, 2/4, 3/4, 4/4
0/0, 1/2, 2/2
0/3, 1/3, 2/3, 3/3

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1/4, 2/4, 3/4, 4/4
0/2, 1/2, 2/2
0/3, 1/3, 2/3, 3/3
1/4, 2/4, 3/4, 4/4
0/4, 1/4, 2/4, 3/4, 4/4
0/3, 1/3, 1/3, 1/3

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One
1/4

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One
1/3
One
1/3
One
1/2
One
1/2

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Two fourths
Two fifths, two sixths
Two sevenths, two eighths
Two ninths, two tenths
Two elevenths, two twelfths
Two thirteenths, two fourteenths
Two fifteenths, five sixteenths
Six sixteenths, nine sixteenths
Nine fourteenths, ten fourteenths
Three thirteenths, four thirteenths
Five thirteenths, six thirteenths
Seven thirteenths, eight thirteenths
Nine tenths, ten tenths
Eleven elevenths, twelve elevenths
Eleven twelfths, twelve twelfths

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6/7, 3/7, 2/7, 5/7, 6/7, 7/7

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4/5, 3/6, 3/4, 2/3, 2/5, 3/6, 1/5
3/6, 5/7, 4/5, 3/4, 5/6, 5/7, 4/6
2/4, 2/5, 2/3, 1/2, 3/5, 4/6, 1/2

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1/2+1/2=1
1/2+1/2=1
1/3+1/3=2/3
1/4+1/4=2/4
1/3+1/3+1/3=1
1/4+1/4+1/4=3/4
1/3+1/3+1/3=1

Level 2 Book 1 Answers