

# Answer Key (Units 1–3)

## Unit 1 (p. 5)

Check students' work.

## Unit 1 (p. 6)

- 0 thousands; 3 hundreds; 1 ten; 8 ones, 318
- 1 thousands; 0 hundreds; 0 tens; 2 ones, 1,002
- 1 thousands; 0 hundreds; 9 tens; 1 ones, 1,091
- 0 thousands; 6 hundreds; 4 tens; 2 ones, 642
- 0 thousands; 4 hundreds; 0 tens; 9 ones, 409

- 1 thousands; 1 hundreds; 9 tens; 9 ones, 1,199
- 1 thousands; 1 hundreds; 4 tens; 0 ones, 1,140
- 0 thousands; 0 hundreds; 7 tens; 7 ones, 77
- 1 thousands; 0 hundreds; 2 tens; 8 ones, 1,028
- 0 thousands; 7 hundreds; 0 tens; 0 ones, 700
- 0 thousands; 2 hundreds; 5 tens; 0 ones, 250
- 1 thousands; 1 hundreds; 5 tens; 0 ones, 1,150

## Unit 1 (p. 7)

- 1 thousands; 1 hundreds; 1 tens; 4 ones
- 0 thousands; 0 hundreds; 0 tens; 4 ones
- 1 thousands; 0 hundreds; 6 tens; 4 ones
- 0 thousands; 0 hundreds; 5 tens; 3 ones
- D
- C

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## Unit 2 (p. 9)

- 1,045;  $1,000 + 40 + 5$ ; one thousand forty-five
- $1,000 + 9$ ; one thousand nine
- 628; six hundred twenty-eight
- $1,134$ ;  $1,000 + 100 + 30 + 4$
- 300; 400; 800; 900
- 460; 470; 510; 520
- 510; 515; 535; 540
- 630; 670; 680

## Unit 2 (p. 10)

- $700 + 30 + 2$ ; seven hundred thirty-two
- 1,194; one thousand one hundred ninety-four
- $1,059$ ;  $1,000 + 50 + 9$
- $800 + 10 + 3$ ; eight hundred thirteen
- 325; 345; 350
- 500; 900; 1,000
- 740; 780; 790
- 445; 465; 470
- 450; 850; 950
- 975; 995; 1,000

## Unit 2 (p. 11)

- $1,000 + 100 + 20 + 7$ ; one thousand one hundred twenty-seven
- $470$ ;  $400 + 70 + 0$
- 630; 640; 680
- 250; 260; 300
- 940; 945; 965
- 705; 710; 730
- 410; 420; 460
- 575; 580; 600
- 825; 830; 850
- 620; 630; 670
- D
- B

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## Unit 3 (p. 13)

- >
- >
- <
- <
- <
- >
- <
- <
- =

## Unit 3 (p. 14)

- <
- >
- <
- =
- <
- <
- >
- >
- <
- <
- >
- =

## Unit 3 (p. 15)

- Sally
- Monday
- B
- C

# Answer Key (Units 4–7)

## Unit 4 (p. 17)

- 632; 634; 641
- 1,002; 1,020; 1,200
- 631; 739; 913
- 780; 802; 820
- 654; 695; 954
- 1,179; 1,181, 1,197
- 128; 188; 218
- 690; 706; 709
- 1,045; 1,054; 1,145
- 307; 308; 311

- 574; 575; 577
- 963; 1,036; 1,200

## Unit 4 (p. 18)

- 107; 111; 120
- 1,053; 1,133; 1,143
- 587; 751; 756
- 645; 699; 956
- 153; 242; 341
- 1,028; 1,034; 1,041
- 569; 575; 577
- 348; 381; 403

- 756; 965; 1,056
- 212; 220; 221
- 464; 604; 640
- 1,169; 1,199; 1,200

## Unit 4 (p. 19)

- Tanya
- Monday
- C
- B

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## Unit 5 (p. 21)

- 2
- 4; 1
- 4; 4
- 8; 8
- 8; 8
- 2; 2

## Unit 5 (p. 22)

- 3
- 1
- 8;  $\frac{7}{8}$
- 2;  $\frac{2}{2}$
- 1; one, four
- 5; five parts, eight
- $\frac{3}{8}$ ; three parts, eight
- $\frac{1}{2}$ ; one part, two

## Unit 5 (p. 23)

- $\frac{1}{2}$
- $\frac{3}{8}$
- D
- C

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## Unit 6 (p. 25)

- one, four
- one part, two
- five parts out of eight
- two parts out of four
- $\frac{3}{4}$
- $\frac{4}{8}$  or  $\frac{1}{2}$

## Unit 6 (p. 26)

- $\frac{5}{8}$
- $\frac{2}{8}$  or  $\frac{1}{4}$
- $\frac{3}{8}$
- $\frac{1}{2}$
- $\frac{1}{4}$
- $\frac{1}{4}$
- $\frac{1}{4}$
- $\frac{4}{4}$  or 1
- $\frac{2}{8}$  or  $\frac{1}{4}$
- $\frac{4}{8}$  or  $\frac{1}{2}$
- $\frac{6}{8}$  or  $\frac{3}{4}$

## Unit 6 (p. 27)

- $\frac{3}{4}$
- $\frac{3}{8}$
- $\frac{7}{8}$
- $\frac{1}{2}$
- A
- A

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## Unit 7 (p. 29)

Check students' work.

## Unit 7 (p. 30)

Check students' work.

## Unit 7 (p. 31)

Check students' work.

# Answer Key (Units 8–10)

## Unit 8 (p. 33)

- $2 + 8 = 10$ ;  $10 - 8 = 2$ ;  
 $10 - 2 = 8$
- $4 + 8 = 12$ ;  $12 - 8 = 4$ ;  
 $12 - 4 = 8$
- $8 + 7 = 15$ ;  $15 - 7 = 8$ ;  
 $15 - 8 = 7$
- $13 + 6 = 19$ ;  $19 - 6 = 13$ ;  
 $19 - 13 = 6$
- $9 + 3 = 12$ ;  $12 - 9 = 3$ ;  
 $12 - 3 = 9$
- $7 + 3 = 10$ ;  $10 - 7 = 3$ ;  
 $10 - 3 = 7$
- $10 + 5 = 15$ ;  $15 - 5 = 10$ ;  
 $15 - 10 = 5$
- $12 + 8 = 20$ ;  $20 - 8 = 12$ ;  
 $20 - 12 = 8$
- $6 + 8 = 14$ ;  $14 - 8 = 6$ ;  
 $14 - 6 = 8$

## Unit 8 (p. 34)

- $5 + 7 = 12$ ;  $7 + 5 = 12$ ;  
 $12 - 7 = 5$ ;  $12 - 5 = 7$
- $8 + 7 = 15$ ;  $7 + 8 = 15$ ;  
 $15 - 8 = 7$ ;  $15 - 7 = 8$
- $12 + 7 = 19$ ;  $7 + 12 = 19$ ;  
 $19 - 12 = 7$ ;  $19 - 7 = 12$
- $5 + 9 = 14$ ;  $9 + 5 = 14$ ;  
 $14 - 9 = 5$ ;  $14 - 5 = 9$
- $4 + 9 = 13$ ;  $9 + 4 = 13$ ;  
 $13 - 9 = 4$ ;  $13 - 4 = 9$
- $7 + 9 = 16$ ;  $9 + 7 = 16$ ;  
 $16 - 9 = 7$ ;  $16 - 7 = 9$
- $3 + 9 = 12$ ;  $9 + 3 = 12$ ;  
 $12 - 9 = 3$ ;  $12 - 3 = 9$
- $7 + 13 = 20$ ;  $13 + 7 = 20$ ;  
 $20 - 13 = 7$ ;  $20 - 7 = 13$
- $6 + 9 = 15$ ;  $9 + 6 = 15$ ;  
 $15 - 6 = 9$ ;  $15 - 9 = 6$

- $8 + 9 = 17$ ;  $9 + 8 = 17$ ;  
 $17 - 9 = 8$ ;  $17 - 8 = 9$
- $5 + 6 = 11$ ;  $6 + 5 = 11$ ;  
 $11 - 6 = 5$ ;  $11 - 5 = 6$
- $6 + 14 = 20$ ;  $14 + 6 = 20$ ;  
 $20 - 6 = 14$ ;  $20 - 14 = 6$

## Unit 8 (p. 35)

- $5 + 7 = 12$ ;  $7 + 5 = 12$ ;  
 $12 - 7 = 5$
- $8 + 6 = 14$ ;  $14 - 8 = 6$ ;  
 $14 - 6 = 8$
- A
- B

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## Unit 9 (p. 37)

- 51
- 40
- 140
- 95
- 47
- 80
- 103
- 140

## Unit 9 (p. 38)

- 50
- 73
- 31
- 81
- 126
- 57
- 134
- 174
- 118
- 330
- 218
- 220

## Unit 9 (p. 39)

- 50 cards
- 48 socks
- 101 pennies
- 107 cupcakes
- C
- D

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## Unit 10 (p. 41)

- 72
- 66
- 98
- 80
- 81
- 91
- 103
- 95

## Unit 10 (p. 42)

- 60
- 71
- 74
- 81
- 94
- 100
- 97
- 80
- 120
- 91

## Unit 10 (p. 43)

- 31 goals
- 70 apples
- D
- B

# Answer Key (Units 11–14)

## Unit 11 (p. 45)

- 8
- 8
- 36
- 17
- 29
- 38
- 5
- 17

## Unit 11 (p. 46)

- 45
- 12
- 12
- 71
- 75
- 50
- 26
- 1
- 10
- 58
- 43
- 15

## Unit 11 (p. 47)

- 81 crayons
- 56 markers
- A
- D

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## Unit 12 (p. 49)

- 11
- 23
- 35
- 20
- 49
- 3
- 46
- 20
- 5
- 10
- 10

## Unit 12 (p. 50)

- 21
- 22
- 10
- 33
- 31
- 39
- 21
- 16
- 11
- 50
- 9
- 4

## Unit 12 (p. 51)

- 22 hairpins
- 9 cupcakes
- C
- B

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## Unit 13 (p. 53)

- $64 - 18 = 46$
- $29 + 27 = 56$
- $72 - 12 - 30 = 30$
- $25 + 18 + 37 + 2 = 82$
- $16 + 20 - 12 = 24$
- $23 + 14 - 12 - 1 = 24$

## Unit 13 (p. 54)

- $14 - 6 = 8$
- $8 + 5 = 13$
- $19 + 6 = 25$
- $12 - 8 = 4$
- $16 + 15 = 31$ ;  $31 - 6 = 25$
- $25 - 4 = 21$ ;  $21 - 5 = 16$
- $7 + 4 = 11$ ;  $11 - 3 = 8$ ;  
 $8 - 2 = 6$
- $20 + 14 = 34$ ;  $34 - 11 = 23$ ;  
 $23 - 8 = 15$

## Unit 13 (p. 55)

- Check students' work.
- $35 - 22 = 13$
  - $51 + 45 = 96$ ;  $96 - 23 = 73$
  - $66 + 23 = 89$
  - $24 + 29 = 53$ ;  $53 - 19 = 34$
  - A
  - C

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## Unit 14 (p. 57)

- 21¢
- 28¢
- 26¢
- 47¢
- 21¢
- 42¢
- 100¢
- 211¢

## Unit 14 (p. 58)

- \$1.41
- \$0.65
- \$3.01
- \$2.06
- \$1.60
- \$0.41
- \$0.40
- \$1.26

## Unit 14 (p. 59)

- 32¢
- 65¢
- D
- A

# Answer Key (Units 15–17)

## Unit 15 (p. 61)

- $2 + 2 + 2 = 6$
- $3 + 3 = 6$
- $5 + 5 + 5 = 15$
- $3 + 3 + 3 + 3 + 3 = 15$
- $4 + 4 + 4 + 4 = 16$
- $3 + 3 + 3 + 3 = 12$
- $4 + 4 + 4 = 12$
- $5 + 5 + 5 + 5 + 5 = 25$

## Unit 15 (p. 62)

- $3 + 3 = 6$
- $2 + 2 + 2 = 6$
- $2 + 2 + 2 + 2 = 8$
- $3 + 3 + 3 = 9$
- $4 + 4 + 4 = 12$
- $3 + 3 + 3 + 3 = 12$
- $4 + 4 + 4 + 4 = 16$
- $3 + 3 + 3 + 3 + 3 = 15$
- $5 + 5 + 5 = 15$
- $4 + 4 + 4 + 4 + 4 = 20$

## Unit 15 (p. 63)

- $\$5 + \$5 + \$5 = \$15$
- $8 + 8 + 8 = 24$  peppers
- $9 + 9 + 9 + 9 = 36$  plants
- $10 + 10 + 10 + 10 + 10 = 50$  raisins
- C
- C

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## Unit 16 (p. 65)

- 2; 3      2. 2
- 4; 2      4. 2; 5
- 4; 3      6. 3; 4

## Unit 16 (p. 66)

Check students' work.

- 2 equal groups of 3
- 3 equal groups of 2
- 2 equal groups of 4 or 4 equal groups of 2

4. 3 equal groups of 3

- 3 equal groups of 4 or 4 equal groups of 3
- 3 equal groups of 4 or 4 equal groups of 3
- 4 equal groups of 4
- 3 equal groups of 5 or 5 equal groups of 3
- 3 equal groups of 5 or 5 equal groups of 3
- 4 equal groups of 5 or 5 equal groups of 4

## Unit 16 (p. 67)

- 5 dollars
- 3 rows
- 3 plants
- 8 friends
- B
- C

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## Unit 17 (p. 69)

Check students' work.

## Unit 17 (p. 70)

- add 10
- add 8
- add 12
- add 11

5. subtract 8

- subtract 20
- multiply by 2, then add 1
- subtract half of number from itself or divide by 2
- add 14
- multiply by 2, then add 5

## Unit 17 (p. 71)

- 9th column
- 2nd row
- number of trucks multiplied by 10
- B
- B

# Answer Key (Units 18–20)

## Unit 18 (p. 73)

- 4; 6; 8; 10; 12; 14; 16; 18; 20
- 6; 9; 12; 15; 18; 21; 24; 27; 30
- 8; 12; 16; 20; 24; 28; 32; 36; 40
- 12; 18; 24; 30; 36; 42; 48; 54; 60

## Unit 18 (p. 74)

- 8; 10; 12
- 20; 25; 30
- 12; 16; 20; 24
- 12; 24; 30; 36
- 24; 32; 48
- 40; 50; 60
- 6; 9; 12; 15
- 16; 24; 32; 40

## Unit 18 (p. 75)

- 8; 16; 24; 32; 40
- C
- D

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## Unit 19 (p. 77)

- add 4
- add bottom row + 1
- 16, 32, 64; multiply by 2
- 9, 11; add 2
- 60, 72, 84; add 12
- 55, 44; subtract 11
- add 3
- multiply by 2

## Unit 19 (p. 78)

- Check students' work.
- Check students' work.
- 112; 224
- 540; 520
- 26; 13
- 390; 485
- 5; 25
- 20; 45
- 5; 6
- 40

## Unit 19 (p. 79)

- Answers may vary.
- Answers may vary.
- 26, 31; add 5
- 20, 9; subtract 11
- D
- C

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## Unit 20 (p. 81)

- triangle
- rectangle
- pentagon
- hexagon
- cube
- parallelogram

## Unit 20 (p. 82)

- square
- pentagon
- triangle
- hexagon
- rectangle
- cube
- rhombus
- triangle
- trapezoid
- rectangle
- cube
- octagon

## Unit 20 (p. 83)

Check students' work.

# Answer Key (Units 21–27)

## Unit 21 (p. 85)

- 5; 5
- 6; 8
- 2; 0
- 0; 0
- 6; 8
- 1; 1

## Unit 21 (p. 86)

- cube
- cube
- pyramid
- sphere
- rect. prism
- cube
- para. prism
- pyramid
- cylinder
- rectangular
- cube
- cone

## Unit 21 (p. 87)

Check students' work.

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## Unit 22 (pp. 88–91)

Check students' work.

## Unit 23 (pp. 93–95)

Check students' work.  
Answers may vary.

## Unit 24 (pp. 97–98)

Check students' work.

Answers may vary.

## Unit 24 (p. 99)

- Check students' work; answers may vary; approximately 7 inches.
- Answers may vary.
- C

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## Unit 25 (p. 101)

Check students' work.  
Answers may vary.

## Unit 25 (p. 102)

Check students' work.  
Answers may vary.

## Unit 25 (p. 103)

Check students' work for problems 1. and 2.  
Answers may vary.  
3. B

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## Unit 26 (p. 105)

- 10
- 7
- 16
- 6
- 15
- 16

## Unit 26 (p. 106)

- 12
- 5, 2; 10
- $3 + 3 + 3 + 3 + 3$ ; 15
- $7 + 7 + 7 + 7$ ; 28
- $6 + 6 + 6 + 6 + 6$ ; 30
- $4 + 4 + 4 + 4$ ; 16

## Unit 26 (p. 107)

- 24 square units
- 25 square units
- 80 square patches
- 15 square tiles
- D
- C

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## Unit 27 (p. 109)

- 1 kg
- 1 g
- 10 kg
- 200 kg
- 1 liter
- 5 liters
- 50 liters
- 3 liters

## Unit 27 (p. 110)

Check students' work.

## Unit 27 (p. 111)

- less than a liter
- less than a liter
- 3 liters
- 20 liters
- D
- B

# Answer Key (Units 28–32)

## Unit 28 (p. 113)

1. 40°F
2. 10°F
3. 70°F
4. 32°F
5. 14°F
6. 56°F

## Unit 28 (p. 114)

1. 78°F
2. 101°F
3. 33°F
4. Check students' work for problems 4. to 6.

## Unit 28 (p. 115)

1. 47°F
2. Check students' work.
3. D

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## Unit 29 (p. 117)

1. 1:31
2. 4:30
3. 10:39
4. 1:00
5. 2:03
6. 6:48
7. 8:55
8. 12:05

## Unit 29 (p. 118)

1. 12:24
2. 6:10
3. 10:35
4. 3:52
5. 5:07
6. 10:50
7. 4:44
8. 7:32
9. 2:25
10. 10:02
11. 3:20
12. 12:16

## Unit 29 (p. 119)

1. third clock
2. second clock
3. C
4. D

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## Unit 30 (p. 121)

1. 12 minutes
2. 2 minutes
3. 15 minutes
4. 45 minutes
5. 1 year
6. 3 months

## Unit 30 (p. 122)

Check students' work.

## Unit 30 (p. 123)

1. second clock
2. first clock
3. A
4. B

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## Unit 31 (p. 125)

Check students' work.

1. 7 centimeters
2. 10

## Unit 31 (p. 126)

Check students' work.

1. 9 centimeters
2. 5 feet
3. 9

## Unit 31 (p. 127)

1. Check students' work.
2. 18 inches
3. 17 inches
4. D
5. C

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## Unit 32 (p. 129)

Check students' work.

1. 15
2. 12
3. 2
4. 7

## Unit 32 (p. 130)

1. Check students' work.
2. 2
3. 9
4. 17
5. Check students' work.
6. 2
7. 8
8. 6

## Unit 32 (p. 131)

Check students' work.



# Answer Key (Units 33–35)

## Unit 33 (p. 133)

1. 3; 1; dog
2. 7; 1; black
3. square; square
4. 6s; 6
5. black
6. penny

## Unit 33 (p. 134)

- Check students' work for problems 1. to 4.
5. dime
  6. white

## Unit 33 (p. 135)

1. white
2. dog
3. B
4. A

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## Unit 34 (p. 137)

1. \$0.41
2. \$0.63
3. \$1.36
4. \$1.63

5. \$3.41
6. \$2.47
7. \$1.52
8. \$3.55

## Unit 34 (p. 138)

1. Week 1: \$1.30; Week 2: \$1.85; Week 3: \$2.85; Week 4: \$6.75
2. \$12.75

## Unit 34 (p. 139)

1. dime
2. \$1.00

Answers may vary for problems 3. and 4

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## Unit 35 (p. 141)

1. \$200
2. \$100
3. withdrawal, answers may vary; \$45, check students' work
4. deposit, answers may vary; \$34, check students' work

## Unit 35 (p. 142)

1. \$65
2. \$170
3. \$30
4. \$70.

## Unit 35 (p. 143)

1. M: \$270  
T:  $\$270 - 50 = \$220$   
W:  $\$220 + 25 = \$245$   
Th:  $\$245 + 75 = \$320$   
F:  $\$320 - 80 = \$240$

Answers will vary for problems 2 and 3.