

# Answer Key (Units 1–3)

## Unit 1 (p. 5)

1. 190;  $100 + 90 + 0$ ; one hundred ninety
2.  $3,000 + 200 + 140 + 9$ ; three thousand two hundred forty-nine
3. 628; six hundred twenty-eight
4. 834;  $800 + 30 + 4$
5. 600; 700; 800; 900
6. 490; 500; 510; 520
7. <
8. <

## Unit 1 (p. 6)

1.  $700 + 30 + 2$ ; seven hundred thirty-two
2. 594; five hundred ninety-four
3. 5,609;  $5,000 + 600 + 0 + 9$ ; five thousand six hundred nine
4.  $800 + 10 + 3$ ; eight hundred thirteen
5. 340; 345; 350
6. 3,800; 3,900; 4,000
7. 770; 780; 790
8. 14,700; 14,800; 14,900
9. <                      10. <

## Unit 1 (p. 7)

1.  $6,000 + 700 + 60 + 8$ ; six thousand seven hundred sixty-eight
2. 470;  $400 + 70 + 0$ ; four hundred seventy
3. 660; 670; 680
4. 290; 300; 310
5. 960; 965; 970
6. 720; 725; 730
7. >                      8. =
9. <                      10. >
11. D                      12. B

## Unit 2 (p. 9)

1. 60                      2. 620
3. 260                      4. 600
5. 1,000                      6. 4,000
7. 6,000                      8. 2,000
9. 10,000                      10. 70,000

## Unit 2 (p. 10)

1. 310; 300
2. 70; 800

3. 450; 500

4. 920; 900
5. 90; 700
6. 70; 100
7. 16,000; 20,000
8. 23,000; 20,000
9. 20,000; 20,000
10. 5,000; 70,000
11. 47,000; 50,000
12. 32,000; 30,000

## Unit 2 (p. 11)

- Answers may vary.
1. range: 25–34
  2. range: 50–149
  3. range: 6,500–7,499
  4. range: 31,500–32,499
  5. B
  6. D

## Unit 3 (p. 13)

1. 21¢                      2. 28¢
3. 26¢                      4. 47¢
5. 46¢                      6. 42¢
7. 100¢                      8. 211¢

## Unit 3 (p. 14)

1. \$1.41                      2. \$0.65
3. \$3.01                      4. \$2.06
5. \$1.60                      6. \$0.41
7. \$0.40                      8. \$1.26

## Unit 3 (p. 15)

1. 32¢
2. 65¢
3. D
4. A

# Answer Key (Units 4–7)

## Unit 4 (p. 17)

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

## Unit 4 (p. 18)

- 3
- 3
- 5; 4/5
- 2; 2/2
- 1
- 2
- 5; 2/5
- 2; 1/2

## Unit 4 (p. 19)

- 1/2
- 1/3
- 3/4
- 3/8
- D
- D

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## Unit 5 (p. 21)

- 500
- 90
- 460
- 50
- 870
- 360
- 570
- 210
- 960
- 700
- 500
- 600
- 200
- 600
- 900

## Unit 5 (p. 22)

- 470
- 410
- 620
- 820
- 170
- 810
- 720
- 360
- 320
- 160
- 940
- 710
- 700
- 700
- 1,700
- 3,700
- 1,300
- 3,600
- 500
- 800

## Unit 5 (p. 23)

- 140 beads
- 310 baseball cards
- 290 dollars
- 220 stickers
- B C

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## Unit 6 (p. 25)

- 269
- 468
- 367
- 898
- 123
- 205
- 304
- 351
- 801
- 577
- 569
- 691
- 621
- 640

## Unit 6 (p. 26)

- 599
- 250
- 461
- 886
- 377
- 799
- 790
- 628
- 975
- 394
- 716
- 770
- 762
- 519
- 879
- 430
- 527
- 581
- 709
- 821

## Unit 6 (p. 27)

- 507 dollars
- 971 points
- 798 craft sticks
- 602 yards
- A
- B

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## Unit 7 (p. 29)

- 215
- 410
- 136
- 301
- 121
- 319
- 120
- 45
- 363
- 371
- 390
- 291
- 664
- 419

## Unit 7 (p. 30)

- 124
- 162
- 375
- 522
- 189
- 35
- 336
- 293
- 52
- 264
- 109
- 373
- 231
- 82
- 49
- 117
- 196
- 537
- 335
- 295

## Unit 7 (p. 31)

- 151 dollars
- 165 points
- 77 craft sticks
- 509 yards
- B
- D

# Answer Key (Units 8–11)

## Unit 8 (p. 33)

- 9
- 11
- 7
- 24
- 16; 8; 24

## Unit 8 (p. 34)

- 7
- 5
- 15
- 11
- 18; 12; 24
- 22; 112; 60

## Unit 8 (p. 35)

- 13 pieces of fruit
- 9 green balloons
- 5 miles
- 12 muffins
- A
- D

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## Unit 9 (p. 37)

- 12
- 20
- 12

## Unit 9 (p. 38)

- 10
- 20
- 24
- 16
- 21
- 36

## Unit 9 (p. 39)

- 15 apples
- 12 plums
- 18 miles
- 24 muffins
- C
- D

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## Unit 10 (p. 41)

- 8
- 24
- 16
- 20
- 35
- 54
- 32
- 21

- $4 \times 8 = 32$ ;  
 $8 \times 4 = 32$
- $(2 \times 2) \times 3 = 12$ ;  
 $2 \times (2 \times 3) = 12$
- $(2 \times 4) \times 3 = 24$ ;  
 $2 \times (4 \times 3) = 24$
- $(4 \times 2) \times 3 = 24$ ;  
 $4 \times (2 \times 3) = 24$
- $(2 \times 3) \times 3 = 18$ ;  
 $2 \times (3 \times 3) = 18$

- 4; 45
- 5; 18
- Answers may vary.
- Answers may vary.

- $5 \times 4 = 20$ ;  
 $4 \times 5 = 20$
- $2 \times 4 \times 6 = 24$ ;  
 $6 \times 4 \times 2 = 24$ ; etc.
- D
- B

## Unit 10 (p. 42)

- $3 \times 7 = 21$ ;  
 $7 \times 3 = 21$

## Unit 10 (p. 43)

- $8 \times 7 = 56$ ;  
 $7 \times 8 = 56$
- $8 \times 6 = 48$ ;  
 $6 \times 8 = 48$

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## Unit 11 (p. 45)

- 30; 60; 90; 120; 150
- 180; 240; 210; 240; 240
- 120; 180; 90; 180; 240
- 160; 120; 80; 40; 0
- 80; 160; 240; 640; 200
- 240; 320; 200; 280; 320

## Unit 11 (p. 46)

Check students' work.

## Unit 11 (p. 47)

- 200 dollars
- 40 points
- 400; 450; 500
- D
- B

# Answer Key (Units 12–15)

## Unit 12 (p. 49)

- 25 flowers
- 45 apples
- 96 carrots
- 16 peaches
- 14 plants
- 24 bottles

## Unit 12 (p. 50)

- 15            2. 48
- 12            4. 42
- 44            6. 24
- 51            8. 28

## Unit 12 (p. 51)

- 16 shoes
- 27 muffins
- 54 blocks
- 40 papers
- D    6. B

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## Unit 13 (p. 53)

- 3; 3      2. 4; 4
- 5; 6; 6
- 32; 4; 8;  $32 \div 4 = 8$
- 7; 4; 4
- 48; 6; 8;  $48 \div 6 = 8$

## Unit 13 (p. 54)

- 2; 2            2. 3; 4
- 6; 6            4. 5; 5
- 2; 2            6. 7; 7
- 5; 5            8. 4; 4

## Unit 13 (p. 55)

- 6 pizzas
- 9 trees
- 3 hours
- 8 horses
- C
- D

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## Unit 14 (p. 57)

- Check students' work.
- Check students' work.
- 112; 224
- 5; 1
- 26; 13
- 10; 7
- 5; 25
- 5; 20
- 20; 45
- 25

## Unit 14 (p. 58)

- 23; add 10
- 48; multiply by 4
- 10; 30; multiply by 3
- 7; add 11
- 30; 22; subtract 8
- 12; 1; divide by 12
- 46; multiply by 2
- 38; divide by 2
- 63; divide by 3
- 37; multiply by 2 and then add 5

## Unit 14 (p. 59)

- Answers may vary.
- 9, 18, 27
  - 4, 16, 64
  - 26, 31; add 5
  - 20, 9; subtract 11
  - D
  - C

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## Unit 15 (p. 61)

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

## Unit 15 (p. 62)

Check students' work.

## Unit 15 (p. 63)

- 0
- 3
- multiply by 10
- C
- D

# Answer Key (Units 16–18)

## Unit 16 (p. 65)

- 20; 4; 5
- 24; 3; 8
- $2 \times 7 = 14$ ;  $14 \div 7 = 2$ ;  $14 \div 2 = 7$
- $6 \times 3 = 18$ ;  $18 \div 6 = 3$ ;  $18 \div 3 = 6$
- $6 \times 4 = 24$ ;  $24 \div 6 = 4$ ;  $24 \div 4 = 6$
- $7 \times 5 = 35$ ;  $35 \div 7 = 5$ ;  $35 \div 5 = 7$
- $9 \times 7 = 63$ ;  $63 \div 7 = 9$ ;  $63 \div 9 = 7$
- $9 \times 6 = 54$ ;  $54 \div 9 = 6$ ;  $54 \div 6 = 9$

## Unit 16 (p. 66)

- 18; 9; 2
- 24; 8; 3
- 28; 4; 7
- 35; 5; 7
- 36; 4; 9
- 48; 6; 8
- $6 \times 5 = 30$ ;  
 $5 \times 6 = 30$ ;  
 $30 \div 6 = 5$ ;  
 $30 \div 5 = 6$
- $9 \times 3 = 27$ ;  
 $3 \times 9 = 27$ ;  
 $27 \div 9 = 3$ ;  
 $27 \div 3 = 9$

- $4 \times 6 = 24$ ;  
 $6 \times 4 = 24$ ;  
 $24 \div 6 = 4$ ;  
 $24 \div 4 = 6$
- $3 \times 7 = 21$ ;  
 $7 \times 3 = 21$ ;  
 $21 \div 7 = 3$ ;  
 $21 \div 3 = 7$
- $4 \times 8 = 32$ ;  
 $8 \times 4 = 32$ ;  
 $32 \div 4 = 8$ ;  
 $32 \div 8 = 4$
- $2 \times 8 = 16$ ;  
 $8 \times 2 = 16$ ;  
 $16 \div 8 = 2$ ;  
 $16 \div 2 = 8$

## Unit 16 (p. 67)

- 6 oranges
- 4 baskets
- 7 bunches
- 32 apples
- C
- D

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## Unit 17 (p. 69)

- 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 17 (p. 70)

- add 2
- multiply by 5
- multiply by 4
- multiply by 6
- multiply by 8
- multiply by 10
- multiply by 3
- multiply by 4

## Unit 17 (p. 71)

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

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## Unit 18 (p. 73)

Check students' work.

## Unit 18 (p. 74)

Check students' work.

## Unit 18 (p. 75)

Check students' work.

# Answer Key (Units 19–22)

## Unit 19 (p. 77)

- 5 faces; 5 vertices
- 6 faces; 8 vertices
- 3 faces; 0 vertices
- 1 face; 0 vertices
- 6 faces; 8 vertices
- 5 faces; 6 vertices

## Unit 19 (p. 78)

- cube
- triangular prism
- triangular pyramid
- sphere
- rectangular prism
- cube

7. parallelogram prism

8. square pyramid

9. cylinder

10. rectangular prism

11. cube

12. cone

## Unit 19 (p. 79)

Check students' work.

- square
- hexagon
- parallelogram
- cube or rectangular prism
- triangular pyramid
- triangular prism

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## Unit 20 (p. 81)

Check students' work.

## Unit 20 (p. 82)

Check students' work.

## Unit 20 (p. 83)

Check students' work.

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## Unit 21 (p. 85)

Check students' work.

- 6
- 1
- 1
- 5
- 1
- 2
- 2
- 4

## Unit 21 (p. 86)

Check students' work.

- 2
- 1
- 0
- 2
- 3
- 2
- 4
- 0
- 1
- 1
- 4
- 2

## Unit 21 (p. 87)

Check students' work.

- 2
- 1
- 1
- 2
- B
- C

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## Unit 22 (p. 89)

Check students' work.

## Unit 22 (p. 90)

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

## Unit 22 (p. 91)

- $\frac{1}{4}$ ;  $\frac{3}{4}$
- $\frac{1}{2}$
- $\frac{1}{3}$ ;  $\frac{2}{3}$
- A

# Answer Key (Units 23–26)

## Unit 23 (p. 93)

1.  $3\frac{3}{4}$
2. 3
3.  $3\frac{1}{2}$
4.  $3\frac{1}{2}$
5.  $3\frac{1}{4}$
6.  $2\frac{3}{4}$
7.  $3\frac{1}{4}$
8.  $3\frac{1}{2}$
9. Check students' work.

## Unit 23 (p. 94)

Check students' work.

## Unit 23 (p. 95)

1. Check students' work.
2. C
3. D

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## Unit 24 (p. 97)

Check students' work.

## Unit 24 (p. 98)

1. 16
2. 9
3. 2
4. 20
5. 5
6. 22

## Unit 24 (p. 99)

Word Problems

1. 22 units
2. 64 units
3. 70 feet
4. 11 meters
5. B
6. D

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## Unit 25 (p. 101)

Check students' work.

## Unit 25 (p. 102)

1. 12; 12
2. 5; 2; 10; 10
3. 15
4. 28
5. 30
6. 16

## Unit 25 (p. 103)

1. 24 square units
2. 25 square units
3. 80 square feet
4. 10 square meters
5. D
6. C

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## Unit 26 (p. 105)

1.  $40^{\circ}\text{F}$
2.  $10^{\circ}\text{F}$
3.  $70^{\circ}\text{F}$
4.  $32^{\circ}\text{F}$
5.  $14^{\circ}\text{F}$
6.  $56^{\circ}\text{F}$

## Unit 26 (p. 106)

1.  $78^{\circ}\text{F}$
2.  $101^{\circ}\text{F}$
3.  $33^{\circ}\text{F}$
4. Check students' work.
5. Check students' work.
6. Check students' work.

## Unit 26 (p. 107)

1.  $47^{\circ}\text{F}$
2. Check students' work.
3. D

# Answer Key (Units 27–29)

## Unit 27 (p. 109)

1. 7:03; 3
2. 9:28; 28; 9
3. 11:47; 12
4. 1:56; 4; 2; 2:06
5. 4:11; 11; 4; 4:21
6. 5:48; 12; 6; 5:58

## Unit 27 (p. 110)

1. 2:05; 2:15
2. 9:42; 9:52
3. 1:11; 1:21
4. 3:52; 4:02
5. 6:35; 6:45
6. 10:02; 10:12
7. 4:57; 5:07
8. 8:23; 8:33

## Unit 27 (p. 111)

1. 22
  2. 15
  3. 16
  4. 9
  5. 32
  6. 12
  7. 18
  8. 53
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## Unit 28 (p. 113)

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

## Unit 28 (p. 114)

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

## Unit 28 (p. 115)

1. Check students' work.
  2. 5
  3. 10
  4. 5
  5. Check students' work.
  6. 1
  7. 3
  8. 2
- 

## Unit 29 (p. 117)

1. 3
2. 4
3. 1
4. 8

## Unit 29 (p. 118)

1. Check students' work.
2. 2
3. 5
4. 7
5. Check students' work.
6. 5
7. 35
8. 155

## Unit 29 (p. 119)

1. Check students' work.
2. bologna and ham
3. 3
4. 2
5. Check students' work.
6. 50
7. 200
8. 350



# Answer Key (Units 30–32)

## Unit 30 (p. 121)

1. equally likely as
2. equally likely as
3. more likely than
4. equally likely as
5. less likely than
6. less likely than
7. equally likely as
8. less likely than
9. more likely than

## Unit 30 (p. 122)

1. true
2. false
3. true
4. false
5. true
6. true
7. more likely than
8. equally likely as
9. less likely than
10. more likely than
11. less likely than
12. more likely than

## Unit 30 (p. 123)

1. star
2. square; triangle
3. circle
4. true
5. C
6. B

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## Unit 31 (p. 125)

1. Lawyer
2. Check students' work.
3. Dog walker; Babysitter
4. Check students' work.

## Unit 31 (p. 126)

1. \$80
2. \$135
3. \$300
4. \$72

## Unit 31 (p. 127)

1. \$150
2. \$30
3. \$40
4. Day care

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## Unit 32 (p. 129)

1. \$81.25
2. \$202.95
3. \$30
4. \$415.50
5. \$570
6. \$550

## Unit 32 (p. 130)

1. \$150
2. \$561
3. \$624

## Unit 32 (p. 131)

1. \$50
2. \$150
3. \$521
4. \$13

# Answer Key (Practice Assessments 1–2)

## STAAR Practice Assessment 1 pages 132–155

1. D	11. C	23. D	35. C
2. C	12. B	24. D	36. C
3. B	13. C	25. C	37. C
4. C	14. C	26. B	38. D
5. D	15. D	27. B	39. D
6. C	16. D	28. B	40. B
7. A	17. C	29. B	41. D
8. D	18. C	30. B	42. A
9. C	19. D	31. D	43. B
10. C	20. A	32. A	44. 24
	21. B	33. C	45. 88
	22. D	34. D	46. 51

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## STAAR Practice Assessment 2 pages 156–176

1. D	11. B	23. A	35. A
2. A	12. D	24. C	36. B
3. C	13. D	25. A	37. C
4. B	14. C	26. D	38. B
5. B	15. A	27. D	39. C
6. C	16. D	28. D	40. C
7. A	17. D	29. B	41. B
8. C	18. B	30. B	42. B
9. C	19. A	31. D	43. A
10. D	20. C	32. D	44. 75
	21. C	33. C	45. 14
	22. D	34. D	46. 07 or 7