Course: Math 5

Week 1 Quiz

Question 1. Write an expression and solve for "multiply 5 by the sum of 12 and 5"
a. 5 * (12 + 5) = 95
b. 5 * (12 + 5) = 75
c. 5 * (12 + 5) = 85
d. 5 * (12 + 5) = 105

Question 2. Write an expression for and solve "multiply 7 times 4 and add 25"
a. 7 * 4 + 25 = 63
b. 7 * 4 + 25 = 53
c. 7 * 4 + 25 = 73
d. 7 * 4 + 25 = 83

Question 3. Write an expression and solve for "multiply 6 by the sum of 10 and 3"
a. 6 * (10 + 3) = 78
b. 6 * (10 + 3) = 68
c. 6 * (10 + 3) = 88
d. 6 * (10 + 3) = 98

Question 4. Write an expression for and solve "multiply 8 times 3 and add 20"
a. 8 * 3 + 20 = 44
b. 8 * 3 + 20 = 54
c. 8 * 3 + 20 = 64
d. 8 * 3 + 20 = 74

Question 5. Write an expression and solve for "multiply 4 by the sum of 15 and 2"
a. 4 * (15 + 2) = 98
b. 4 * (15 + 2) = 78
c. 4 * (15 + 2) = 88
d. 4 * (15 + 2) = 68

Question 6. Write an expression for and solve "multiply 9 times 2 and add 30"
a. 9 * 2 + 30 = 48
b. 9 * 2 + 30 = 58
c. 9 * 2 + 30 = 68
d. 9 * 2 + 30 = 78

Question 7. Write an expression and solve for "multiply 3 by the sum of 14 and 4"
a. 3 * (14 + 4) = 54
b. 3 * (14 + 4) = 64
c. 3 * (14 + 4) = 74
d. 3 * (14 + 4) = 84

Question 8. Write an expression for and solve "multiply 10 times 3 and add 40"
a. 10 * 3 + 40 = 90
b. 10 * 3 + 40 = 80
c. 10 * 3 + 40 = 70
d. 10 * 3 + 40 = 100

Question 9. Write an expression and solve for "multiply 2 by the sum of 18 and 6"
a. 2 * (18 + 6) = 48
b. 2 * (18 + 6) = 58
c. 2 * (18 + 6) = 68
d. 2 * (18 + 6) = 78

Question 10. Write an expression for and solve "multiply 11 times 2 and add 50"
a. 11 * 2 + 50 = 72
b. 11 * 2 + 50 = 82
c. 11 * 2 + 50 = 92
d. 11 * 2 + 50 = 102

Answer Key:

1. c. 5 * (12 + 5) = 85
2. b. 7 * 4 + 25 = 53
3. a. 6 * (10 + 3) = 78
4. a. 8 * 3 + 20 = 44
5. d. 4 * (15 + 2) = 68
6. a. 9 * 2 + 30 = 48
7. a. 3 * (14 + 4) = 54
8. c. 10 * 3 + 40 = 70
9. a. 2 * (18 + 6) = 48
10. a. 11 * 2 + 50 = 72

Week 2 Quiz

Question 1. What is the next number in the pattern: 2, 4, 6, 8, __?
a. 9
b. 10
c. 11
d. 12

Question 2. What is the next pair in the pattern: (1,2), (2,4), (3,6), __?
a. (4,7)
b. (4,8)
c. (5,8)
d. (5,10)

Question 3. What is the first number in the ordered pair (7,9)?
a. 7
b. 9
c. 16

d. 2

Question 4. What is the second number in the ordered pair (3,5)?
a. 3
b. 5
c. 8
d. 2

Question 5. What is the next number in the pattern: 5, 10, 15, __?
a. 18
b. 20
c. 21
d. 25

Question 6. What is the next pair in the pattern: (2,3), (4,6), (6,9), __?
a. (8,12)
b. (8,11)
c. (9,12)
d. (9,13)

Question 7. What is the first number in the ordered pair (6,8)?
a. 6
b. 8
c. 14
d. 2

Question 8. What is the second number in the ordered pair (4,6)?
a. 4
b. 6
c. 10
d. 2

Question 9. What is the next number in the pattern: 3, 6, 9, __?
a. 10
b. 11
c. 12
d. 13

Question 10. What is the next pair in the pattern: (3,4), (6,8), (9,12), __?
a. (12,15)
b. (12,16)
c. (13,16)
d. (13,17)

Answer Key

1. b. 10
2. b. (4,8)
3. a. 7

4. b. 5
5. b. 20
6. a. (8,12)
7. a. 6
8. b. 6
9. c. 12
10. b. (12,16)

Week 3 Quiz

Question 1. What is the place value of 2 in the number 9,230?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Question 2. What is the place value of 5 in the number 5,102?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Question 3. What is the place value of 3 in the number 3,456?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Question 4. What is the place value of 6 in the number 4,567?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Question 5. What is the place value of 1 in the number 1,234?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Question 6. What is the place value of 7 in the number 6,789?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Question 7. What is the place value of 7 in the number 7,890?
a. Tens
b. Hundreds

c. Thousands
d. Ten thousands

Question 8. What is the place value of 0 in the number 8,901?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Question 9. What is the place value of 9 in the number 9,012?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Question 10. What is the place value of 1 in the number 1,023?
a. Tens
b. Hundreds
c. Thousands
d. Ten thousands

Answer Key:

1. b. Hundreds
2. c. Thousands
3. c. Thousands
4. a. Tens
5. c. Thousands
6. b. Hundreds
7. c. Thousands
8. a. Tens
9. c. Thousands
10. c. Thousands

Week 4 Quiz

Question 1. How do you write .049 in words?
a) Forty-nine hundredths
b) Four point nine
c) Forty-nine thousandths
d) Four and nine tenths

Question 2. How do you write .49 in words?
a) Forty-nine hundredths
b) Four point nine
c) Forty-nine thousandths
d) Four and nine tenths

Question 3. How do you write .029 in words?

a) Twenty-nine hundredths
b) Two point nine
c) Twenty-nine thousandths
d) Two and nine tenths

Question 4. How do you write .29 in words?
a) Twenty-nine hundredths
b) Two point nine
c) Twenty-nine thousandths
d) Two and nine tenths

Question 5. How do you write .009 in words?
a) Nine hundredths
b) Zero point nine
c) Nine thousandths
d) Zero and nine tenths

Question 6. How do you write .09 in words?
a) Nine hundredths
b) Zero point nine
c) Nine thousandths
d) Zero and nine tenths

Question 7. How do you write .019 in words?
a) Nineteen hundredths
b) One point nine
c) Nineteen thousandths
d) One and nine tenths

Question 8. How do you write .19 in words?
a) Nineteen hundredths
b) One point nine
c) Nineteen thousandths
d) One and nine tenths

Question 9. How do you write .039 in words?
a) Thirty-nine hundredths
b) Three point nine
c) Thirty-nine thousandths
d) Three and nine tenths

Question 10. How do you write .39 in words?
a) Thirty-nine hundredths
b) Three point nine
c) Thirty-nine thousandths
d) Three and nine tenths

Answer Key:

1. c) Forty-nine thousandths
2. a) Forty-nine hundredths
3. c) Twenty-nine thousandths
4. a) Twenty-nine hundredths
5. c) Nine thousandths
.6 a) Nine hundredths
7. c) Nineteen thousandths
8. a) Nineteen hundredths
9. c) Thirty-nine thousandths
10. a) Thirty-nine hundredths

Week 5 Quiz

Question 1. Solve: 789 x 17
a) 13314
b) 14313
c) 13413
d) 13431

Question 2. Solve: 456 x 21
a) 9576
b) 9657
c) 9567
d) 9675

Question 3. Solve: 123 x 19
a) 2337
b) 2373
c) 2307
d) 2373

Question 4. Solve: 345 x 12
a) 4014
b) 4104
c) 4140
d) 4041

Question 5. Solve: 678 x 15
a) 10071
b) 10710
c) 10701
d) 10170

Question 6. Solve: 234 x 11
a) 2574
b) 2547
c) 2475
d) 2457

Question 7. Solve: 567 x 14
a) 7983
b) 7938
c) 7839
d) 7893

Question 8. Solve: 891 x 16
a) 14562
b) 14526
c) 14256
d) 14265

Question 9. Solve: 345 x 18
a) 6210
b) 6120
c) 6102
d) 6201

Question 10. Solve: 333 x 7
a) 2331
b) 2313
c) 2133
d) 2321

Answer Key:

1. c) 13413
2. a) 9576
3. a) 2337
4. c) 4140
5. d) 10170
6. a) 2574
7. b) 7938
8. c) 14256
9. a) 6210
10. a) 2331

Week 6 Quiz

Question 1. What is the result of 8 ÷ 6?
a) 1.5
b) 1.33
c) 1.25
d) 1.75

Question 2. What is the result of 18 ÷ 7?
a) 2.5
b) 2.57
c) 2.6

d) 2.7

Question 3. What is the result of 12 ÷ 5?
a) 2.4
b) 2.5
c) 2.6
d) 2.7

Question 4. What is the result of 15 ÷ 4?
a) 3.75
b) 3.8
c) 3.85
d) 3.9

Question 5. What is the result of 21 ÷ 8?
a) 2.62
b) 2.63
c) 2.64
d) 2.65

Question 6. What is the result of 25 ÷ 6?
a) 4.16
b) 4.17
c) 4.18
d) 4.19

Question 7. What is the result of 30 ÷ 7?
a) 4.28
b) 4.29
c) 4.3
d) 4.31

Question 8. What is the result of 35 ÷ 8?
a) 4.37
b) 4.38
c) 4.39
d) 4.4

Question 9. What is the result of 40 ÷ 9?
a) 4.46
b) 4.45
c) 4.44
d) 4.47

Question 10. What is the result of 45 ÷ 10?
a) 4.65
b) 4.55
c) 4.6
d) 4.5

Answer Key:

1. b) 1.33
2. b) 2.57
3. a) 2.4
4. a) 3.75
5. a) 2.62
6. b) 4.16
7. a) 4.28
8. a) 4.37
9. c) 4.44
10. d) 4.5

Week 7 Quiz

Question 1. Solve: 303.15 – 33.05
a) 270.1
b) 280.1
c) 290.1
d) 300.1

Question 2. Solve: 77.26 + 539.3
a) 646.56
b) 626.56
c) 636.56
d) 616.56

Question 3. Solve: 5001.21 + 33.709
a) 5034.919
b) 5044.919
c) 5054.919
d) 5064.919

Question 4. Solve: 747.15 – 209.24
a) 547.91
b) 537.91
c) 557.91
d) 567.91

Question 5. Solve: 1000.1 - 33.05
a) 967.05
b) 977.05
c) 987.05
d) 997.05

Question 6. Solve: 77.26 + 1000.3
a) 1077.56
b) 1087.56
c) 1097.56

d) 1107.56

Question 7. Solve: 5001.21 - 1000.3
a) 4020.91
b) 4010.91
c) 4000.91
d) 4030.91

Question 8. Solve: 747.15 + 1000.3
a) 1747.45
b) 1757.45
c) 1767.45
d) 1777.45

Question 9. Solve: 303.15 + 33.05
a) 336.2
b) 346.2
c) 356.2
d) 366.2

Question 10. Solve: 77.26 - 539.3
a) -482.04
b) -472.04
c) -462.04
d) -492.04

Answer Key:

1. a) 270.1
2. d) 616.56
3. a) 5034.919
4. b) 537.91
5. a) 967.05
6. a) 1077.56
7. c) 4000.91
8. a) 1747.45
9. a) 336.2
10. c) -462.04

Week 8 Quiz

Question 1. What is the result of (3/4) x (-1/6)?
a) -1/8
b) -1/12
c) -1/4
d) -1/2

Question 2. What is the result of (-3/8) x (-2/3)?

a) 1/4
b) 1/2
c) 1/8
d) 1/12

Question 3. What is the result of 1/2 - 1/4?
a) 1/8
b) 1/2
c) 1/4
d) 1/12

Question 4. What is the result of 3/4 + 1/8?
a) 7/8
b) 1/2
c) 1/4
d) 1/8

Question 5. What is the result of 1/2 + 1/4?
a) 3/4
b) 1/2
c) 1/4
d) 1/8

Question 6. What is the result of 2/3 - 1/6?
a) 1/8
b) 1/3
c) 1/4
d) 1/2

Question 7. What is the result of 1/3 + 2/3?
a) 1
b) 1/2
c) 1/4
d) 1/8

Question 8. What is the result of 1/2 - 1/8?
a) 1/2
b) 3/8
c) 1/4
d) 1/8

Question 9. What is the result of 1/4 + 1/8?
a) 3/8
b) 1/2
c) 1/4
d) 1/8

Question 10. What is the result of 1/2 + 1/8?
a) 5/8

b) 1/2
c) 1/4
d) 1/8

Answer Key:

1. a) -1/8
2. a) 1/4
3. c) 1/4
4. a) 7/8
5. a) 3/4
6. d) 1/2
7. a) 1
8. b) 3/8
9. a) 3/8
10. a) 5/8

Week 9 Quiz

Question 1. A cloth measures 4 1/4 feet and needs to be cut in two equal pieces. What is the length of each piece of cloth?
a) 1 1/8 feet
b) 2 1/8 feet
c) 3 1/8 feet
d) 4 1/8 feet

Question 2. A piece of metal measures 8 1/5 feet and needs to be cut in two equal pieces. What is the length of each piece of metal?
a) 2 1/10 feet
b) 3 1/10 feet
c) 4 1/10 feet
d) 5 1/10 feet

Question 3. A rope measures 6 1/2 feet and needs to be cut in two equal pieces. What is the length of each piece of rope?
a) 2 1/4 feet
b) 4 1/4 feet
c) 3 1/4 feet
d) 5 1/4 feet

Question 4. A wire measures 7 3/4 feet and needs to be cut in two equal pieces. What is the length of each piece of wire?
a) 2 7/8 feet
b) 3 7/8 feet
c) 4 7/8 feet
d) 5 7/8 feet

Question 5. A ribbon measures 5 1/3 feet and needs to be cut in two equal pieces. What is the length of each piece of ribbon?

a) 1 2/3 feet
b) 2 2/3 feet
c) 3 2/3 feet
d) 4 2/3 feet

Question 6. A string measures 9 2/3 feet and needs to be cut in two equal pieces. What is the length of each piece of string?
a) 3 5/6 feet
b) 6 5/6 feet
c) 5 5/6 feet
d) 4 5/6 feet

Question 7. A tape measures 10 1/2 feet and needs to be cut in two equal pieces. What is the length of each piece of tape?
a) 4 1/4 feet
b) 5 1/4 feet
c) 6 1/4 feet
d) 7 1/4 feet

Question 8. A rod measures 12 1/4 feet and needs to be cut in two equal pieces. What is the length of each piece of rod?
a) 5 1/8 feet
b) 6 1/8 feet
c) 7 1/8 feet
d) 8 1/8 feet

Question 9. A plank measures 14 1/5 feet and needs to be cut in two equal pieces. What is the length of each piece of plank?
a) 7 1/10 feet
b) 6 1/10 feet
c) 8 1/10 feet
d) 9 1/10 feet

Question 10. A pipe measures 16 2/5 feet and needs to be cut in two equal pieces. What is the length of each piece of pipe?
a) 7 1/5 feet
b) 8 1/5 feet
c) 9 1/5 feet
d) 10 1/5 feet

Answer Key:

1. b) 2 1/8 feet
2. c) 4 1/10 feet
3. c) 3 1/4 feet
4. b) 3 7/8 feet
5. b) 2 2/3 feet
6. d) 4 5/6 feet
7. b) 5 1/4 feet

8. b) 6 1/8 feet
9. a) 7 1/10 feet
10. b) 8 1/5 feet

Week 10 Quiz

Question 1. Solve: 1/12 ÷ 1/8
a) 0.75
b) 1.5
c) 2/3
d) 0.5

Question 2. Solve: 3/8 ÷ 7/6
a) 1/112
b) 1/56
c) 9/28
d) 1/14

Question 3. Solve: 6/5 ÷ 4/3
a) 9/10
b) 1/5
c) 1/4
d) 1/2

Question 4. Solve: 1/3 ÷ 1/2
a) 2/3
b) 1/2
c) 1/3
d) 2/5

Question 5. Solve: 2/5 ÷ 3/4
a) 8/15
b) 8/30
c) 4/15
d) 4/30

Question 6. Solve: 4/7 ÷ 2/3
a) 6/7
b) 12/21
c) 6/14
d) 12/14

Question 7. Solve: 5/6 ÷ 3/4
a) 20/18
b) 10/9
c) 20/36
d) 10/18

Question 8. Solve: 7/8 ÷ 4/5
a) 35/32
b) 14/16
c) 35/64
d) 14/32

Question 9. Solve: 8/9 ÷ 5/6
a) 48/45
b) 16/15
c) 48/90
d) 16/30

Question 10. Solve: 9/10 ÷ 6/7
a) 21/20
b) 126/140
c) 63/120
d) 126/280

Answer Key:

1. c) 2/3
2. c) 9/28
3. a) 9/10
4. a) 2/3
5. a) 8/15
6. a) 6/7
7. b) 10/9
8. a) 35/32
9. b) 16/15
10. a) 21/20

Week 11 Quiz

Question 1. Solve: 9/6 ÷ 1/8
a) 3/2
b) 3/4
c) 12
d) 9/16

Question 2. Solve: 8/13 ÷ 2/7
a) 28/13
b) 1/2
c) 2/13
d) 7/8

Question 3. Solve: 7/5 ÷ 2/9
a) 63/10
b) 7/10
c) 31/10

d) 7/20

Question 4. Solve: 5/4 ÷ 3/7
a) 35/12
b) 7/12
c) 15/28
d) 5/6

Question 5. Solve: 6/7 ÷ 4/5
a) 30/28
b) 15/14
c) 3/5
d) 3/10

Question 6. Solve: 4/3 ÷ 5/6
a) 8/5
b) 4/5
c) 2/5
d) 2/3

Question 7. Solve: 3/2 ÷ 1/4
a) 6
b) 3
c) 3/8
d) 3/4

Question 8. Solve: 7/8 ÷ 2/3
a) 21/16
b) 7/8
c) 7/12
d) 7/6

Question 9. Solve: 5/6 ÷ 3/4
a) 20/18
b) 10/9
c) 5/12
d) 5/9

Question 10. Solve: 8/9 ÷ 4/5
a) 40/36
b)10/9
c) 2/5
d) 2/3

Answer Key:

1. c) 12
2. a) 28/13
3. a) 63/10

4. a) 35/12
5. b) 15/14
6. a) 8/5
7. a) 6
8. a) 21/16
9. b) 10/9
10. b) 10/9

Week 12 Quiz

Question 1. Solve: 5 3/8 ÷ 4
a) 1 11/32
b) 1 1/4
c) 1 1/2
d) 1 2/3

Question 2. Solve: 7 2/3 x 2/3
a) 5 1/9
b) 5 1/3
c) 5 1/2
d) 5 2/3

Question 3. Solve: 6 1/4 ÷ 2
a) 3 1/8
b) 3 1/4
c) 3 1/2
d) 3 2/3

Question 4. Solve: 4 1/2 x 3/4
a) 3 3/8
b) 3 1/4
c) 3 1/2
d) 3 2/3

Question 5. Solve: 8 2/5 ÷ 5
a) 1 2/5
b) 1 17/25
c) 1 4/5
d) 1 1/5

Question 6. Solve: 3 3/4 x 2/3
a) 2 1/2
b) 2 1/4
c) 2 1/3
d) 2 2/3

Question 7. Solve: 9 1/6 ÷ 3
a) 3 1/18

b) 3 1/3
c) 3 1/2
d) 3 2/3

Question 8. Solve: 2 1/3 x 3/4
a) 1 7/8
b) 1 5/8
c) 1 3/4
d) 1 1/2

Question 9. Solve: 7 1/2 ÷ 6
a) 1 1/4
b) 1 1/3
c) 1 1/2
d) 1 2/3

Question 10. Solve: 5 2/3 x 1/3
a) 1 8/9
b) 1 8/10
c) 1 1/3
d) 1 2/3

Answer Key:

1. a) 1 11/32
2. a) 5 1/9
3. a) 3 1/8
4. a) 3 3/8
5. b) 1 17/25
6. a) 2 1/2
7. a) 3 1/18
8. c) 1 3/4
9. a) 1 1/4
10. a) 1 8/9

Week 13 Quiz

Question 1. Simplify: 50/100
a) 1/3
b) 1/2
c) 2/3
d) 3/4

Question 2. Simplify: 25/45
a) 1/3
b) 2/5
c) 5/9
d) 1/2

Question 3. Simplify: 21/49
a) 3/7
b) 1/2
c) 2/3
d) 3/4

Question 4. Simplify: 18/27
a) 1/3
b) 2/3
c) 2/5
d) 3/4

Question 5. Simplify: 16/64
a) 1/3
b) 1/2
c) 1/4
d) 3/4

Question 6. Simplify: 24/36
a) 1/3
b) 2/3
c) 2/5
d) 3/4

Question 7. Simplify: 14/28
a) 1/3
b) 1/2
c) 1/4
d) 1/5

Question 8. Simplify: 20/25
a) 4/5
b) 1/2
c) 2/3
d) 3/4

Question 9. Simplify: 30/45
a) 1/3
b) 2/3
c) 2/5
d) 3/4

Question 10. Simplify: 12/48
a) 1/3
b) 1/2
c) 1/4
d) 3/4

Answer Key:

1. b) 1/2
2. c) 5/9
3. a) 3/7
4. b) 2/3
5. c) 1/4
6. b) 2/3
7. b) 1/2
8. a) 4/5
9. b) 2/3
10. c) 1/4

Week 14 Quiz

Question 1. Scale the fraction up 1/8 by multiplying 2.
a) 1/4
b) 2/16
c) 1/16
d) 2/8

Question 2. Scale the fraction down 25/100 by dividing 5.
a) 1/20
b) 1/4
c) 5/100
d) 5/500

Question 3. Scale the fraction up 1/5 by multiplying 3.
a) 3/5
b) 3/15
c) 1/15
d) 1/3

Question 4. Scale the fraction down 16/64 by dividing 4.
a) 4/16
b) 1/16
c) 4/64
d) 4/256

Question 5. Scale the fraction up 2/7 by multiplying 2.
a) 2/14
b) 4/7
c) 4/14
d) 1/3

Question 6. Scale the fraction down 18/36 by dividing 6.
a) 3/6
b) 1/12

c) 3/36
d) 3/216

Question 7. Scale the fraction up 1/6 by multiplying 4.
a) 1/24
b) 4/6
c) 4/24
d) 2/3

Question 8. Scale the fraction down 20/40 by dividing 5.
a) 4/8
b) 1/10
c) 4/40
d) 4/200

Question 9. Scale the fraction up 3/9 by multiplying 3.
a) 3/27
b) 9/9
c) 9/27
d) 1/3

Question 10. Scale the fraction down 12/48 by dividing 3.
a) 4/16
b) 1/12
c) 4/48
d) 4/144

Answer Key:

1. a) 1/4
2. a) 1/20
3. a) 3/5
4. b) 1/16
5. b) 4/7
6. b) 1/12
7. d) 2/3
8. b) 1/10
9. b) 9/9
10. b) 1/12

Week 15 Quiz

Question 1. Convert the improper fraction to mixed numbers 16/3.
a) 5 1/3
b) 4 2/3
c) 6 1/3
d) 5 2/3

Question 2. Convert the improper fraction to mixed numbers 21/8.
a) 2 5/8
b) 2 4/8
c) 3 1/8
d) 2 6/8

Question 3. Convert the improper fraction to mixed numbers 15/4.
a) 3 1/4
b) 3 3/4
c) 4 1/4
d) 3 2/4

Question 4. Convert the improper fraction to mixed numbers 19/5.
a) 3 4/5
b) 4 1/5
c) 3 3/5
d) 4 2/5

Question 5. Convert the improper fraction to mixed numbers 22/6.
a) 3 4/6
b) 3 2/6
c) 4 1/6
d) 3 5/6

Question 6. Convert the improper fraction to mixed numbers 27/7.
a) 3 5/7
b) 4 2/7
c) 3 6/7
d) 4 1/7

Question 7. Convert the improper fraction to mixed numbers 34/9.
a) 3 7/9
b) 4 1/9
c) 3 8/9
d) 4 2/9

Question 8. Convert the improper fraction to mixed numbers 29/5.
a) 5 4/5
b) 6 1/5
c) 5 3/5
d) 6 2/5

Question 9. Convert the improper fraction to mixed numbers 23/4.
a) 6 2/4
b) 6 1/4
c) 5 2/4
d) 5 3/4

Question 10. Convert the improper fraction to mixed numbers 31/6.
a) 5 1/6
b) 5 2/6
c) 5 5/6
d) 6 1/6

Answer Key:

1. a) 5 1/3
2. a) 2 5/8
3. b) 3 3/4
4. a) 3 4/5
5. a) 3 2/3
6. c) 3 6/7
7. a) 3 7/9
8. a) 5 4/5
9. d) 5 3/4
10. a) 5 1/6

Week 16

Question 1. When you multiply a whole number by a fraction, the result is:
a) Always a whole number
b) Always a fraction
c) Either a whole number or a fraction
d) Always greater than the whole number

Question 2. If you multiply a whole number by 1/2, the result is:
a) Half of the whole number
b) Double the whole number
c) The same as the whole number
d) Zero

Question 3. When multiplying a whole number by a fraction, you multiply the whole number by the fraction's:
a) Numerator

b) Denominator
c) Both numerator and denominator
d) Neither numerator nor denominator

Question 4. If a fraction is greater than 1 and you multiply it by a whole number, the product will be:
a) Less than the whole number
b) Equal to the whole number
c) Greater than the whole number
d) Zero

Question 5. Multiplying a whole number by 0/any number will result in:
a) 0
b) 1
c) The whole number
d) Infinity

Question 6. When you multiply a whole number by a unit fraction, the result is:
a) Greater than the original number
b) Less than the original number
c) The same as the original number
d) Zero

Question 7. If you multiply any whole number by 1, the result is:
a) 0
b) 1
c) The whole number itself
d) Infinity

Question 8. To multiply a whole number by a fraction, you can think of the whole number as a fraction with a denominator of:
a) 0
b) 1
c) 2
d) 10

Question 9. When multiplying a fraction by a whole number, it's often helpful to:
a) Add the numbers
b) Subtract the numbers
c) Convert the whole number to a fraction
d) Divide the numbers

Question 10. Multiplying a whole number by a fraction gives you a part of the whole number. This is similar to:
a) Adding
b) Subtracting
c) Dividing
d) Taking a portion

Answer Key:

1. c) Either a whole number or a fraction
2. a) Half of the whole number
3. a) Numerator
4. c) Greater than the whole number
5. a) 0
6. b) Less than the original number
7. c) The whole number itself
8. b) 1
9. c) Convert the whole number to a fraction
10. d) Taking a portion

Week 17

Question 1. When dividing by a fraction, you:
a) Add the reciprocal
b) Subtract the reciprocal
c) Multiply by the reciprocal
d) Divide by the reciprocal

Question 2. The reciprocal of a fraction is found by:
a) Flipping the numerator and denominator
b) Adding the numerator and denominator
c) Subtracting the numerator from the denominator
d) Multiplying the numerator and denominator

Question 3. If you divide a fraction by itself, the result is always:
a) 0
b) 1
c) The same fraction
d) A fraction greater than 1

Question 4. Dividing by a fraction is the same as multiplying by its:

a) Numerator
b) Denominator
c) Reciprocal
d) Square

Question 5. When you divide a whole number by a fraction, the result is:
a) Always a whole number
b) Always a fraction
c) Either a whole number or a fraction
d) Always smaller than the whole number

Question 6. If you divide a fraction by a whole number, the result is:
a) Always greater than the original fraction
b) Always smaller than the original fraction
c) The same as the original fraction
d) Always a whole number

Question 7. When dividing fractions, the denominators:
a) Must be the same
b) Must be different
c) Do not affect the division
d) Are added together

Question 8. If you divide by a fraction that is less than 1, the result will be:
a) Less than the original number
b) Greater than the original number
c) The same as the original number
d) Zero

Question 9. When dividing by a unit fraction, the result is:
a) The same as multiplying by the denominator
b) The same as multiplying by the numerator
c) The same as dividing by the denominator
d) The same as dividing by the numerator

Question 10. Dividing by a fraction is similar to:
a) Adding
b) Subtracting
c) Multiplying by its opposite
d) Taking a portion

Answer Key:

1. c) Multiply by the reciprocal
2. a) Flipping the numerator and denominator
3. b) 1
4. c) Reciprocal
5. c) Either a whole number or a fraction
6. b) Always smaller than the original fraction
7. c) Do not affect the division
8. b) Greater than the original number
9. a) The same as multiplying by the denominator
10. c) Multiplying by its opposite

Week 18

Question 1. Before dividing a fraction by a mixed number, you should:
a) Add them together
b) Subtract them
c) Convert the mixed number to a fraction
d) Convert the fraction to a mixed number

Question 2. A mixed number is made up of:
a) Two fractions
b) A fraction and a whole number
c) Two whole numbers
d) A decimal and a fraction

Question 3. When dividing by a mixed number, the first step is to:
a) Find the reciprocal of the fraction part
b) Multiply the whole number by the fraction
c) Convert the mixed number to an improper fraction
d) Simplify the fraction

Question 4. After converting a mixed number to an improper fraction, you should:
a) Add the fractions
b) Multiply the fractions
c) Divide the fractions
d) Find the reciprocal of the fraction

Question 5. The main reason to convert a mixed number to an improper fraction before dividing is:
a) It's easier to add
b) It's easier to subtract

c) It's easier to multiply
d) It's easier to divide

Question 6. If you divide a fraction by a mixed number and get a quotient greater than 1, the result can be written as:
a) A whole number
b) A fraction
c) A mixed number
d) A decimal

Question 7. When dividing fractions by mixed numbers, the result:
a) Is always a fraction
b) Is always a whole number
c) Can be a fraction, whole number, or mixed number
d) Is always a decimal

Question 8. The reciprocal of a mixed number is found by:
a) Flipping the whole number and fraction
b) Taking the reciprocal of the fraction part only
c) Adding the whole number to the fraction
d) Converting to an improper fraction and then flipping

Question 9. Dividing by a mixed number is the same as multiplying by its:
a) Whole number
b) Fraction
c) Decimal equivalent
d) Reciprocal

Question 10. If the fraction you are dividing by a mixed number is equivalent to the fraction part of the mixed number, the result will be:
a) The whole number of the mixed number
b) Greater than the whole number of the mixed number
c) Less than the whole number of the mixed number
d) Zero

Answer Key:

1. c) Convert the mixed number to a fraction
2. b) A fraction and a whole number
3. c) Convert the mixed number to an improper fraction
4. d) Find the reciprocal of the fraction
5. d) It's easier to divide

6. c) A mixed number
7. c) Can be a fraction, whole number, or mixed number
8. d) Converting to an improper fraction and then flipping
9. d) Reciprocal
10. a) The whole number of the mixed number

Week 19

Question 1. When comparing fractions with the same denominator, you should look at:
a) The numerators
b) The denominators
c) Both the numerators and denominators
d) Neither the numerators nor the denominators

Question 2. If two fractions have the same numerator, the fraction with the _____
denominator is larger.
a) Smaller
b) Bigger
c) Same
d) None of the above

Question 3. When comparing fractions, if they don't have the same denominator, you
should:
a) Ignore the denominators
b) Add the numerators
c) Find a common denominator
d) Multiply the numerators

Question 4. If two fractions are equivalent, they:
a) Have the same value
b) Have different numerators
c) Have different denominators
d) Are both greater than 1

Question 5. Which of the following can help in comparing fractions visually?
a) Drawing a square
b) Drawing a number line
c) Drawing a triangle
d) Drawing a star

Question 6. If a fraction is closer to 1 on a number line, it is:
a) Smaller

b) Bigger
c) Equal to 1
d) Negative

Question 7. When comparing 1/3 and 1/4, which fraction is larger?
a) 1/3
b) 1/4
c) They are equal
d) Cannot be determined

Question 8. If a fraction is more than 1/2 but less than 1, it is:
a) Closer to 0 on a number line
b) Closer to 1 on a number line
c) Exactly in the middle between 0 and 1
d) Negative

Question 9. Benchmark fractions, like 1/4, 1/2, and 3/4, help us:
a) Add fractions
b) Subtract fractions
c) Compare fractions
d) Multiply fractions

Question 10. If two fractions are both less than 1/2, the fraction with the _____ numerator is smaller.
a) Smaller
b) Bigger
c) Same
d) None of the above

Answer Key:

1. a) The numerators
2. a) Smaller
3. c) Find a common denominator
4. a) Have the same value
5. b) Drawing a number line
6. b) Bigger
7. a) 1/3
8. b) Closer to 1 on a number line
9. c) Compare fractions
10. a) Smaller

Week 20

Question 1. When dividing a whole number by a fraction, you:
a) Add the fraction to the whole number
b) Subtract the fraction from the whole number
c) Multiply the whole number by the reciprocal of the fraction
d) Divide the whole number by the reciprocal of the fraction

Question 2. The reciprocal of a fraction is found by:
a) Flipping the numerator and denominator
b) Adding the numerator and denominator
c) Subtracting the numerator from the denominator
d) Multiplying the numerator and denominator

Question 3. If you divide a whole number by a fraction less than 1, the result will be:
a) Smaller than the whole number
b) The same as the whole number
c) Larger than the whole number
d) Zero

Question 4. When dividing by a fraction, the process is similar to:
a) Addition
b) Subtraction
c) Multiplication
d) None of the above

Question 5. Dividing by a fraction is the same as multiplying by its:
a) Double
b) Half
c) Reciprocal
d) Square

Question 6. If you divide a whole number by 1, the result is:
a) The whole number
b) Zero
c) One
d) The fraction

Question 7. When dividing a whole number by a unit fraction, the result is:
a) Always a whole number
b) Always a fraction
c) Always larger than the original number

d) Always smaller than the original number

Question 8. A unit fraction is a fraction with a numerator of:
a) 0
b) 1
c) 2
d) Any number

Question 9. If you divide a whole number by a fraction greater than 1, the result will be:
a) Smaller than the whole number
b) The same as the whole number
c) Larger than the whole number
d) Zero

Question 10. Dividing by a fraction means you are splitting the whole number into:
a) Bigger parts
b) Smaller parts
c) Equal parts
d) No parts

Answer Key:

1. c) Multiply the whole number by the reciprocal of the fraction
2. a) Flipping the numerator and denominator
3. c) Larger than the whole number
4. c) Multiplication
5. c) Reciprocal
6. a) The whole number
7. c) Always larger than the original number
8. b) 1
9. a) Smaller than the whole number
10. b) Smaller parts

Week 21
Question 1. Which of the following is a key word that often indicates a fraction in word problems?
a) Total
b) Half
c) More than
d) Equal

Question 2. In a word problem, if you have divided something into four equal parts, what fraction represents one of those parts?
a) One-third
b) One-half
c) One-fourth
d) One-fifth

Question 3. If a word problem mentions "a quarter of the students," what fraction does "a quarter" represent?
a) 1/2
b) 1/3
c) 1/5
d) 1/4

Question 4. Which word problem suggests a fraction greater than 1?
a) John ate some of the pizza.
b) Sarah read two and a half books.
c) Mike ran less than a mile.
d) Emily painted part of the fence.

Question 5. If a word problem says "half of the remaining," what should you consider first?
a) Multiply by 2
b) Find the total
c) Divide by 2
d) Subtract from the total

Question 6. Which scenario suggests dividing a whole into eight equal parts?
a) Splitting a pizza between two friends.
b) Dividing a chocolate bar into quarters.
c) Sharing a pie among eight friends.
d) Reading a third of a book.

Question 7. In a word problem, if "three out of five students" passed the test, what fraction represents the students who passed?
a) 3/2
b) 5/3
c) 3/5
d) 2/5

Question 8. Which word problem indicates a fraction less than 1/2?
a) Mary ate most of the cake.
b) Tom read more than half of the book.

c) Jake completed a third of his homework.
d) Emily practiced for over half an hour.

Question 9. If a word problem mentions "two-thirds of the apples were red," how would you represent the fraction of apples that were not red?
a) 1/3
b) 2/3
c) 1/2
d) 3/2

Question 10. Which of the following is NOT a fraction?
a) Three-quarters
b) Double
c) Two-fifths
d) One-sixth

Answer Key:

1. b) Half
2. c) One-fourth
3. d) 1/4
4. b) Sarah read two and a half books.
5. b) Find the total
6. c) Sharing a pie among eight friends.
7. c) 3/5
8. c) Jake completed a third of his homework.
9. a) 1/3
10. b) Double

Week 22

Question 1. Which of the following is the basic unit of volume in the Metric System?
a) Gram
b) Meter
c) Liter
d) Kilogram

Question 2. If you have a larger volume of liquid than a liter, which of the following might you use?
a) Milliliter
b) Centiliter
c) Kiloliter

d) Deciliter

Question 3. Which unit would be most appropriate for measuring the amount of soda in a small bottle?
a) Kiloliter
b) Deciliter
c) Centiliter
d) Liter

Question 4. Which of the following is equivalent to 1,000 milliliters?
a) 1 Liter
b) 10 Liters
c) 100 Liters
d) 0.1 Liters

Question 5. If you wanted to measure the volume of a medicine droplet, which unit would be most appropriate?
a) Liter
b) Kiloliter
c) Milliliter
d) Deciliter

Question 6. Which of the following containers would likely hold about a kiloliter of liquid?
a) A small cup
b) A bathtub
c) A swimming pool
d) A medicine dropper

Question 7. If a drink bottle holds 500 milliliters, how many liters does it hold?
a) 5 Liters
b) 0.5 Liters
c) 50 Liters
d) 0.05 Liters

Question 8. Which of the following is the smallest volume unit in the Metric System?
a) Liter
b) Deciliter
c) Centiliter
d) Milliliter

Question 9. If you combine two containers, one with 0.5 liters of water and another with 250 milliliters of water, how many liters of water do you have in total?
a) 0.25 Liters

b) 0.75 Liters
c) 1 Liter
d) 1.5 Liters

Question 10. Which of the following is NOT a unit of volume in the Metric System?
a) Kilometer
b) Deciliter
c) Milliliter
d) Centiliter

Answer Key:

1. c) Liter
2. c) Kiloliter
3. d) Liter
4. a) 1 Liter
5. c) Milliliter
6. c) A swimming pool
7. b) 0.5 Liters
8. d) Milliliter
9. b) 0.75 Liters
10. a) Kilometer

Week 23

Question 1. Which of the following is the basic unit of length in the Metric System?
a) Gram
b) Liter
c) Meter
d) Second

Question 2. What does the prefix "kilo-" mean in the Metric System?
a) 100
b) 1,000
c) 0.01
d) 0.001

Question 3. Which unit would be most appropriate for measuring the weight of a small apple?
a) Kilogram
b) Gram
c) Milligram

d) Ton

Question 4. If you have a distance shorter than a meter, which of the following might you use?
a) Kilometer
b) Centimeter
c) Megameter
d) Gigameter

Question 5. Which of the following is equivalent to 100 centimeters?
a) 1 Meter
b) 10 Meters
c) 0.1 Meters
d) 1,000 Meters

Question 6. Which unit would be most appropriate for measuring the amount of water in a large lake?
a) Milliliter
b) Liter
c) Kiloliter
d) Megaliter

Question 7. What does the prefix "milli-" mean in the Metric System?
a) 1,000
b) 0.1
c) 0.01
d) 0.001

Question 8. Which of the following is the basic unit of mass in the Metric System?
a) Liter
b) Gram
c) Meter
d) Second

Question 9. If you wanted to measure the weight of a feather, which unit would be most appropriate?
a) Kilogram
b) Gram
c) Milligram
d) Ton

Question 10. Which of the following is NOT a unit of time in the Metric System?

a) Second
b) Minute
c) Hour
d) Decasecond

Answer Key:

1. c) Meter
2. b) 1,000
3. b) Gram
4. b) Centimeter
5. a) 1 Meter
6. d) Megaliter
7. d) 0.001
8. b) Gram
9. c) Milligram
10. d) Decasecond

Week 24

Question 1. Which of the following is the basic unit of volume in the Metric System?
a) Gram
b) Meter
c) Liter
d) Kilogram

Question 2. How many milliliters are in one liter?
a) 10
b) 100
c) 1,000
d) 10,000

Question 3. If you have a small bottle containing 500 milliliters of water, how many liters is that?
a) 0.5 Liters
b) 5 Liters
c) 50 Liters
d) 0.05 Liters

Question 4. Which unit would be most appropriate for measuring the volume of a swimming pool?
a) Milliliter

b) Centiliter
c) Deciliter
d) Kiloliter

Question 5. If a soda can has a volume of 0.33 liters, how many milliliters is that?
a) 33 ml
b) 330 ml
c) 3,300 ml
d) 3.3 ml

Question 6. Which of the following is the smallest unit of volume?
a) Milliliter
b) Liter
c) Deciliter
d) Kiloliter

Question 7. If a bathtub can hold 150 liters of water, how many kiloliters is that?
a) 1.5 kl
b) 0.15 kl
c) 0.015 kl
d) 15 kl

Question 8. Which of the following is equivalent to 10 liters?
a) 1 Deciliter
b) 100 Deciliters
c) 1,000 Milliliters
d) 10,000 Milliliters

Question 9. How many liters are in one kiloliter?
a) 10
b) 100
c) 1,000
d) 10,000

Question 10. If a water bottle has a volume of 2.5 liters, how many deciliters is that?
a) 25 dl
b) 250 dl
c) 2.5 dl
d) 0.25 dl

Answer Key:

1. c) Liter
2. c) 1,000
3. a) 0.5 Liters
4. d) Kiloliter
5. b) 330 ml
6. a) Milliliter
7. b) 0.15 kl
8. b) 100 Deciliters
9. c) 1,000
10. a) 25 dl

Week 25

Question 1. What is a line plot used for?
a) To show the relationship between two sets of data
b) To display data on a number line
c) To show the frequency of data
d) Both b and c

Question 2. On a line plot, what does an "X" or a dot represent?
a) The mean of the data
b) The median of the data
c) A piece of data
d) The range of the data

Question 3. Why are line plots useful?
a) They show pictures
b) They can show a lot of data in a small space
c) They are colorful
d) They are used for measuring lengths

Question 4. What type of data is best represented by a line plot?
a) Categorical data
b) Numerical data
c) Names of students
d) Days of the week

Question 5. How is the data arranged on a line plot?
a) In random order
b) In ascending order on a number line
c) In descending order
d) Alphabetically

Question 6. What can you determine from a line plot?
a) The mode of the data
b) The exact number of data points
c) The favorite color of the class
d) Both a and b

Question 7. If there are 5 "X"s above the number 3 on a line plot, what does it mean?
a) The number 3 appears 5 times in the data
b) The number 5 appears 3 times in the data
c) The sum of the data is 15
d) The data is multiplied by 5

Question 8. What should you do before creating a line plot?
a) Guess the data
b) Organize and understand the data you have
c) Draw random lines
d) Color the number line

Question 9. How many number lines does a line plot have?
a) Two
b) One
c) Three
d) Zero

Question 10. What is another name for a line plot?
a) Pie chart
b) Bar graph
c) Dot plot
d) Histogram

Answer Key:

1. d) Both b and c
2. c) A piece of data
3. b) They can show a lot of data in a small space
4. b) Numerical data
5. b) In ascending order on a number line
6. d) Both a and b
7. a) The number 3 appears 5 times in the data
8. b) Organize and understand the data you have
9. b) One

10. c) Dot plot

Week 26

Question 1. What do you need to know to find the volume of a rectangular prism?
a) Length and Width
b) Length, Width, and Height
c) Length and Height
d) Width and Height

Question 2. The volume of a rectangular prism is measured in which of the following units?
a) Square units
b) Cubic units
c) Linear units
d) Kilograms

Question 3. If you double the length of a rectangular prism, what happens to its volume?
a) It doubles
b) It triples
c) It stays the same
d) It quadruples

Question 4. Which formula is used to find the volume of a rectangular prism?
a) Length x Width
b) Length + Width + Height
c) Length x Width x Height
d) Length^2 + Width^2

Question 5. If all sides of a rectangular prism are the same length, what shape is it?
a) Cube
b) Cylinder
c) Sphere
d) Cone

Question 6. What is the volume of a rectangular prism that has a length of 1 unit, width of 1 unit, and height of 1 unit?
a) 1
b) 2
c) 3
d) 0

Question 7. If you cut a rectangular prism in half, what happens to its volume?

a) It doubles
b) It stays the same
c) It is halved
d) It is quartered

Question 8. Which of the following cannot be a possible unit for the volume of a rectangular prism?
a) Cubic centimeters
b) Cubic meters
c) Square meters
d) Cubic inches

Question 9. If the volume of a rectangular prism is 60 and its length is 5 and width is 3, what is its height?
a) 2
b) 4
c) 6
d) 8

Question 10. Which of the following shapes does NOT have a volume?
a) Sphere
b) Cylinder
c) Triangle
d) Cube

Answer Key:

1. b) Length, Width, and Height
2. b) Cubic units
3. d) It quadruples
4. c) Length x Width x Height
5. a) Cube
6. a) 1
7. c) It is halved
8. c) Square meters
9. b) 4
10. c) Triangle

Week 27

Question 1. What shape is a cube?
a) 2D square

b) 3D square
c) 2D rectangle
d) 3D rectangle

Question 2. How many equal sides does a cube have?
a) 2
b) 4
c) 6
d) 8

Question 3. To find the volume of a cube, you multiply the length of one side by itself how many times?
a) Once
b) Twice
c) Three times
d) Four times

Question 4. If one side of a cube measures 5 units, what is the volume?
a) 10
b) 15
c) 25
d) 125

Question 5. What is the volume of a cube with a side length of 1 unit?
a) 1
b) 2
c) 3
d) 4

Question 6. Which of the following is NOT a unit of volume?
a) Square meter
b) Cubic meter
c) Liter
d) Gallon

Question 7. If you double the length of one side of a cube, how does the volume change?
a) Doubles
b) Triples
c) Quadruples
d) Increases by eight times

Question 8. What do you need to know to find the volume of a cube?

a) The length of one side
b) The area of one side
c) The perimeter of one side
d) The number of sides

Question 9. If the volume of a cube is 64 units^3, what is the length of one side?
a) 2
b) 4
c) 6
d) 8

Question 10. Which of the following shapes has the same formula for volume as a cube?
a) Sphere
b) Cylinder
c) Rectangular prism with equal sides
d) Cone

Answer Key:

1. b) 3D square
2. c) 6
3. c) Three times
4. d) 125
5. a) 1
6. a) Square meter
7. d) Increases by eight times
8. a) The length of one side
9. b) 4
10. c) Rectangular prism with equal sides

Week 28
Question 1. What shape is a rectangular prism?
a) 2D rectangle
b) 3D rectangle
c) 2D square
d) 3D square

Question 2. How many faces does a rectangular prism have?
a) 4
b) 5
c) 6
d) 8

Question 3. To find the volume of a rectangular prism, you need to know:
a) The length of one side
b) The area of one face
c) The length, width, and height
d) The perimeter of the base

Question 4. If all sides of a rectangular prism are equal, what shape is it?
a) Cylinder
b) Sphere
c) Cube
d) Cone

Question 5. Which formula represents the volume of a rectangular prism?
a) length + width + height
b) length x width x height
c) length x width
d) length + width

Question 6. What is the unit for measuring the volume of a rectangular prism?
a) Square units
b) Cubic units
c) Linear units
d) Round units

Question 7. If you double the length, width, and height of a rectangular prism, how does the volume change?
a) Doubles
b) Triples
c) Quadruples
d) Increases by eight times

Question 8. Which of the following is NOT needed to find the volume of a rectangular prism?
a) Width
b) Height
c) Perimeter
d) Length

Question 9. If the volume of a rectangular prism is 120 units^3 and the length is 10 units and width is 6 units, what is the height?
a) 2 units

b) 3 units

c) 4 units

d) 5 units

Question 10. Which of the following shapes does NOT have the same formula for volume as a rectangular prism?

a) Cube

b) Cylinder

c) Rectangular box

d) Square pyramid

Answer Key:

1. b) 3D rectangle
2. c) 6
3. c) The length, width, and height
4. c) Cube
5. b) length x width x height
6. b) Cubic units
7. d) Increases by eight times
8. c) Perimeter
9. a) 2 units
10. b) Cylinder

Week 29

Question 1. What is the surface area of a shape?

a) The space inside the shape

b) The length around the shape

c) The space covering the outside of a 3D shape

d) The length of one side of the shape

Question 2. How many faces does a rectangular prism have?

a) 4

b) 5

c) 6

d) 8

Question 3. To find the surface area of a rectangular prism, you need to:

a) Add the areas of all its faces

b) Multiply the length, width, and height

c) Add the lengths of all its edges

d) Multiply the area of the base by the height

Question 4. Which formula represents the surface area of a rectangular prism?
a) 2lw + 2lh + 2wh
b) l + w + h
c) l x w x h
d) l x w

Question 5. What is the unit for measuring the surface area of a rectangular prism?
a) Square units
b) Cubic units
c) Linear units
d) Round units

Question 6. If you know the area of one face of a rectangular prism, can you find the total surface area?
a) Always
b) Never
c) Only if it's a cube
d) Only if you know the area of two different faces

Question 7. Which of the following is NOT a face of a rectangular prism?
a) The top
b) The bottom
c) The side
d) The corner

Question 8. If you double the length, width, and height of a rectangular prism, how does the surface area change?
a) Doubles
b) Triples
c) Quadruples
d) Increases by four times

Question 9. The surface area of a cube with side length s is:
a) s^2
b) 6s^2
c) 4s^2
d) s^3

Question 10. Which of the following shapes has the same formula for surface area as a rectangular prism?

a) Sphere
b) Cylinder
c) Cube
d) Cone

Answer Key:

1. c) The space covering the outside of a 3D shape
2. c) 6
3. a) Add the areas of all its faces
4. a) 2lw + 2lh + 2wh
5. a) Square units
6. d) Only if you know the area of two different faces
7. d) The corner
8. d) Increases by four times
9. b) 6s^2
10. c) Cube

Week 30

Question 1. What do you need to know to find the area of a triangle?
a) The length of all three sides
b) The height and the length of the base
c) The angles of the triangle
d) The perimeter of the triangle

Question 2. Which formula represents the area of a triangle?
a) Base x Height
b) 1/2 Base x Height
c) Base + Height
d) 1/2 Base + Height

Question 3. The height of a triangle is:
a) Any of its three sides
b) The side opposite the right angle in a right triangle
c) The line segment perpendicular to the base from its opposite vertex
d) The longest side of the triangle

Question 4. If you double the base of a triangle but keep the height the same, the area will:
a) Stay the same
b) Double

c) Halve
d) Quadruple

Question 5. What is the unit for measuring the area of a triangle?
a) Square units
b) Cubic units
c) Linear units
d) Triangular units

Question 6. In a right triangle, if you use the two legs as the base and height, the area will be:
a) The same no matter which leg is the base
b) Different depending on which leg is the base
c) Zero
d) Equal to the hypotenuse

Question 7. The base of a triangle can be:
a) Any of its three sides
b) Only the longest side
c) Only the shortest side
d) Only the side opposite the right angle

Question 8. If you know the area of a triangle and its base, you can:
a) Always find its height
b) Never find its height
c) Only find its height if it's a right triangle
d) Only find its height if it's an equilateral triangle

Question 9. The area of a triangle will always be:
a) A positive number
b) A negative number
c) Zero
d) Equal to its perimeter

Question 10. If two triangles have the same base and height, their areas will be:
a) Different
b) The same
c) Zero
d) Half of each other

Answer Key:
1. b) The height and the length of the base

2. b) 1/2 Base x Height
3. c) The line segment perpendicular to the base from its opposite vertex
4. b) Double
5. a) Square units
6. a) The same no matter which leg is the base
7. a) Any of its three sides
8. a) Always find its height
9. a) A positive number
10. b) The same

Week 31

Question 1. John has a toy box that is 2 feet long, 3 feet wide, and 1 foot high. How do you find the volume of the toy box?
a) Add all the sides together.
b) Multiply the length, width, and height.
c) Multiply the length and width.

d) Add the length and width, then multiply by the height.
Question 2. A cereal box has a volume of 120 cubic inches. If the box is 10 inches tall and 4 inches wide, how long is it?
a) 3 inches.
b) 30 inches.
c) 12 inches.
d) 15 inches.

Question 3. Sarah wants to store her books in a box that is 5 feet long and 4 feet wide. If she needs a volume of 60 cubic feet, how tall should the box be?
a) 3 feet.
b) 2 feet.
c) 1.5 feet.
d) 12 feet.

Question 4. A fish tank is 6 inches long and 5 inches wide. If it can hold 90 cubic inches of water, how tall is the tank?
a) 3 inches.
b) 15 inches.
c) 30 inches.
d) 18 inches.

Question 5. To find the volume of a rectangular prism, you should:
a) Add the three dimensions together.

b) Multiply the three dimensions together.
c) Divide the length by the width and then multiply by the height.
d) Add the length and width, then divide by the height.
Question 6. A shoebox has a volume of 72 cubic centimeters. If the box is 8 centimeters long and 3 centimeters wide, how tall is it?
a) 3 centimeters.
b) 9 centimeters.
c) 24 centimeters.
d) 6 centimeters.
Question 7. A chocolate bar is 10 centimeters long, 2 centimeters wide, and has a volume of 40 cubic centimeters. How thick is the chocolate bar?
a) 2 centimeters.
b) 5 centimeters.
c) 20 centimeters.
d) 4 centimeters.

Question 8. The volume of a rectangular box is found by multiplying the:
a) Area of the base by the height.
b) Perimeter by the height.
c) Length by the width.
d) Length, width, and height.

Question 9. A drawer is 15 inches wide and 5 inches long. If it has a volume of 150 cubic inches, how deep is the drawer?
a) 2 inches.
b) 10 inches.
c) 20 inches.
d) 5 inches.

Question 10. A rectangular swimming pool is 25 meters long and 10 meters wide. If it can hold 500 cubic meters of water, how deep is the pool?
a) 2 meters.
b) 20 meters.
c) 5 meters.
d) 15 meters.

Answer Key:

1. b) Multiply the length, width, and height.
2. a) 3 inches.
3. a) 3 feet.
4. a) 3 inches.

5. b) Multiply the three dimensions together.
6. a) 3 centimeters.
7. a) 2 centimeters.
8. a) Area of the base by the height.
9. a) 2 inches.
10. a) 2 meters.

Week 32

Question 1. Which of the following has no size, only location?
a) Plane
b) Line
c) Point
d) Segment

Question 2. How many points are needed to define a line?
a) One
b) Two
c) Three
d) Four

Question 3. Which of the following extends in two opposite directions without ending?
a) Ray
b) Line
c) Point
d) Segment

Question 4. What is a flat surface that extends without end in all directions?
a) Ray
b) Line
c) Point
d) Plane

Question 5. How many points are needed to define a plane?
a) One
b) Two
c) Three
d) Four

Question 6. Which of the following has a starting point but extends infinitely in one direction?
a) Ray

b) Line
c) Point
d) Segment

Question 7. Two lines that never meet and are always the same distance apart are called:
a) Intersecting lines
b) Parallel lines
c) Perpendicular lines
d) Rays

Question 8. Lines that meet at a right angle are called:
a) Intersecting lines
b) Parallel lines
c) Perpendicular lines
d) Rays

Question 9. A part of a line that has two endpoints is called:
a) Ray
b) Line
c) Point
d) Segment

Question 10. How many lines can pass through a single point?
a) One
b) Two
c) Three
d) Infinite

Answer Key:

1. c) Point
2. b) Two
3. b) Line
4. d) Plane
5. c) Three
6. a) Ray
7. b) Parallel lines
8. c) Perpendicular lines
9. d) Segment
10. d) Infinite

Week 33

Question 1. What do we call lines that will never meet no matter how long they extend?
a) Crossing lines
b) Parallel lines
c) Perpendicular lines
d) Curved lines

Question 2. What do we call lines that meet at a right angle?
a) Crossing lines
b) Parallel lines
c) Perpendicular lines
d) Curved lines

Question 3. If two lines are parallel, what can you say about their slopes?
a) They are equal
b) They are different
c) They are negative
d) They are zero

Question 4. If two lines are perpendicular, what can you say about their slopes?
a) They are equal
b) They are the negative reciprocals of each other
c) They are positive reciprocals of each other
d) They are zero

Question 5. Can parallel lines be horizontal?
a) Yes
b) No
c) Only if they are also perpendicular
d) Only in a triangle

Question 6. Can parallel lines be vertical?
a) Yes
b) No
c) Only if they are also perpendicular
d) Only in a triangle

Question 7. Can perpendicular lines form a cross (+) shape?
a) Yes
b) No
c) Only if they are also parallel

d) Only in a triangle

Question 8. Can parallel lines have the same length?
a) Yes
b) No
c) Parallel lines do not have length
d) Only if they are also perpendicular

Question 9. Can a square have parallel lines?
a) Yes
b) No
c) Only if it is also a rectangle
d) Only if it is also a circle

Question 10. Can a rectangle have perpendicular lines?
a) Yes
b) No
c) Only if it is also a square
d) Only if it is also a circle

Answer Key:

1. b) Parallel lines
2. c) Perpendicular lines
3. a) They are equal
4. b) They are the negative reciprocals of each other
5. a) Yes
6. a) Yes
7. a) Yes
8. c) Parallel lines do not have length
9. a) Yes
10. a) Yes

Week 34

Question 1. How many sides does a triangle have?
a) 3
b) 4
c) 5
d) 6

Question 2. What do we call a shape with 8 sides?

a) Triangle
b) Quadrilateral
c) Hexagon
d) Octagon

Question 3. What shape has all sides equal and all angles equal?
a) Square
b) Rectangle
c) Trapezoid
d) Parallelogram

Question 4. What shape has opposite sides equal and parallel but not all sides are equal?
a) Square
b) Rectangle
c) Trapezoid
d) Parallelogram

Question 5. What shape has one pair of parallel sides?
a) Square
b) Rectangle
c) Trapezoid
d) Parallelogram

Question 6. What do we call a flat shape with 5 sides?
a) Triangle
b) Quadrilateral
c) Pentagon
d) Hexagon

Question 7. What shape has 4 equal sides but not all angles are equal?
a) Rhombus
b) Rectangle
c) Square
d) Circle

Question 8. What shape has all sides and all angles different?
a) Scalene triangle
b) Isosceles triangle
c) Equilateral triangle
d) Square

Question 9. What shape has all angles equal to 90 degrees?

a) Rhombus
b) Rectangle
c) Equilateral triangle
d) Isosceles triangle

Question 10. What shape has no angles?
a) Triangle
b) Square
c) Circle
d) Rectangle

Answer Key:

1. a) 3
2. d) Octagon
3. a) Square
4. d) Parallelogram
5. c) Trapezoid
6. c) Pentagon
7. a) Rhombus
8. a) Scalene triangle
9. b) Rectangle
10. c) Circle

Week 35

Question 1. In which quadrant are both the x and y coordinates positive?
a) Quadrant 1
b) Quadrant 2
c) Quadrant 3
d) Quadrant 4

Question 2. What is the name of the horizontal line on the coordinate plane?
a) y-axis
b) x-axis
c) z-axis
d) w-axis

Question 3. What is the name of the vertical line on the coordinate plane?
a) y-axis
b) x-axis
c) z-axis

d) w-axis

Question 4. In which quadrant are both the x and y coordinates negative?
a) Quadrant 1
b) Quadrant 2
c) Quadrant 3
d) Quadrant 4

Question 5. What do we call the point where the x-axis and y-axis intersect?
a) Origin
b) Intersection
c) Midpoint
d) Center

Question 6. In which quadrant is the x coordinate negative and the y coordinate positive?
a) Quadrant 1
b) Quadrant 2
c) Quadrant 3
d) Quadrant 4

Question 7. In which quadrant is the x coordinate positive and the y coordinate negative?
a) Quadrant 1
b) Quadrant 2
c) Quadrant 3
d) Quadrant 4

Question 8. What is the x-coordinate of a point located on the y-axis?
a) 0
b) 1
c) -1
d) 100

Question 9. What is the y-coordinate of a point located on the x-axis?
a) 0
b) 1
c) -1
d) 100

Question 10. If a point is in Quadrant 1, which statement is true?
a) x > 0, y < 0
b) x < 0, y > 0
c) x > 0, y > 0

d) x < 0, y < 0

Answer Key:

1. a) Quadrant 1
2. b) x-axis
3. a) y-axis
4. c) Quadrant 3
5. a) Origin
6. b) Quadrant 2
7. d) Quadrant 4
8. a) 0
9. a) 0
10. c) x > 0, y > 0

Week 36

1. 315.2 + 101.23

2. 5354.7 + 17.53

3. 186.53 - 45.52

4. 584.5 - 352.22

5. 306.74 - 289.16

6. 545.28 + 125.001

7. 2,438.25 - 155.5

8. 100.015 - 50.45

9. 150 + 10.75

10. 449.78 - 28.37

Answers:

1. 416.43
2. 5372.23
3. 141.01

4. 232.28
5. 17.58
6. 670.281
7. 2282.75
8. 49.565
9. 160.75
10. 421.41

Week 37

Question 1. The coordinate plane is divided into how many sections called quadrants?
a) 2
b) 3
c) 4
d) 5

Question 2. Which axis is horizontal on the coordinate plane?
a) X-axis
b) Y-axis
c) Z-axis
d) W-axis

Question 3. Which axis is vertical on the coordinate plane?
a) X-axis
b) Y-axis
c) Z-axis
d) W-axis

Question 4. What is the name of the point (0,0) on the coordinate plane?
a) Center
b) Origin
c) Intersection
d) Zero point

Question 5. In which quadrant are both x and y coordinates positive?
a) Quadrant I
b) Quadrant II
c) Quadrant III
d) Quadrant IV

Question 6. In which quadrant are x values positive and y values negative?
a) Quadrant I

b) Quadrant II
c) Quadrant III
d) Quadrant IV

Question 7. If a point lies on the X-axis, what is the y-coordinate?
a) 1
b) -1
c) 0
d) 2

Question 8. If a point lies on the Y-axis, what is the x-coordinate?
a) 1
b) -1
c) 0
d) 2

Question 9. In which quadrant are both x and y coordinates negative?
a) Quadrant I
b) Quadrant II
c) Quadrant III
d) Quadrant IV

Question 10. If a point is in Quadrant II, its x-coordinate is:
a) Positive
b) Negative
c) Zero
d) Undefined

Answer Key

1. c) 4
2. a) X-axis
3. b) Y-axis
4. b) Origin
5. a) Quadrant I
6. d) Quadrant IV
7. c) 0
8. c) 0
9. c) Quadrant III
10. b) Negative