Chapters

Whole Numbers, Place Value, Absolute Value, Distance

What is a Whole Number?

Whole numbers are non-negative integers: 0, 1, 2, 3, ... They have no fractions or decimals.

What is Place Value?

Place value tells the value of a digit in a number based on its position. For example, in 345, 3 is in the hundreds place, so its value is 300.

What is Absolute Value?

The absolute value of a number is its distance from zero, always positive. For example, $|-5| = 5$.

What is Distance?

Distance (on a number line) is the absolute value of the difference between two numbers. For example, the distance between 7 and −3 is $|7 - (-3)| = |10| = 10$.

Fractions: Conversion & Operations

Changing Improper Fractions to Mixed Numbers

Divide numerator by denominator. The quotient is the whole number, remainder is the new numerator.

Changing Mixed Numbers to Improper Fractions

Multiply the whole number by the denominator, add the numerator, and put over the denominator.

Adding & Subtracting Fractions

Adding Fractions with Like Denominators

Add numerators, keep denominator. 2/7 + 3/7 = 5/7

Subtracting Fractions with Like Denominators

Subtract numerators, keep denominator. 6/9 − 2/9 = 4/9

Adding or Subtracting Fractions with Unlike Denominators

Find common denominator, convert both fractions, then add or subtract numerators.

Adding Mixed Numbers with Unlike Denominators

Convert mixed numbers to improper fractions, find common denominator, add, then simplify.

Subtracting Mixed Numbers with Unlike Denominators

Convert to improper fractions, get common denominators, subtract, simplify.

Estimating Sums and Differences

Round fractions to 0, 1/2, or 1; round mixed numbers to nearest integer for quick estimates.

Multiplying & Dividing Fractions

Multiplying Fractions and Whole Numbers

Multiply whole number by numerator, keep denominator. $3 \times 2/5 = 6/5$.

Multiplying Fractions: Reciprocals

Reciprocal of a/b is b/a. Multiplying a number by its reciprocal gives 1.

Multiplying Fractions and Mixed Numbers: Reducing

Convert mixed numbers to improper fractions. Simplify (reduce) before multiplying if possible.

Dividing Fractions by Whole Numbers

Multiply by the reciprocal of the whole number. $(2/3) \div 4 = (2/3) \times (1/4) = 2/12 = 1/6$

Dividing Whole Numbers by Fractions

Multiply the whole number by the reciprocal of the fraction. $5 \div (2/3) = 5 \times (3/2) = 15/2$

Dividing Fractions by Fractions

Multiply by the reciprocal of the divisor. $(3/4) \div (2/5) = (3/4) \times (5/2) = 15/8$

Dividing Mixed Numbers

Convert to improper fractions, then divide as above.

Ratios, Proportions, and Rates

Ratios

A ratio compares two quantities, written as 3:2, 3/2, or "3 to 2".

Proportions and Cross-Multiplying

A proportion is two equal ratios. Cross-multiply to solve: $a/b = c/d$ means $ad = bc$.

Ratio Tables

A table showing pairs of numbers in the same ratio.

Rates

A rate is a ratio with different units, e.g., 60 miles/2 hours = 30 mi/hr.

Problem-Solving with Proportions

Write a proportion to solve for an unknown. Example: If 3/4 = x/8, x=6.

Examples

Improper Fraction to Mixed Number:
17/5 = 3 2/5 (17 ÷ 5 = 3 r 2)

Mixed Number to Improper Fraction:
2 3/4 = (2×4+3)/4 = 11/4

Add Fractions Unlike Denominators:
2/3 + 1/4 = (8/12) + (3/12) = 11/12

Multiply Mixed Numbers:
1 1/2 × 2/3 = (3/2) × (2/3) = 1

Divide Whole Number by Fraction:
6 ÷ 2/3 = 6 × 3/2 = 18/2 = 9

Ratio Table:
Apples:Oranges = 2:3, 4:6, 6:9, 8:12

Proportion:
3/4 = x/8 ⇒ 3×8 = 4×x ⇒ x = 6

Pre-Test (40 Questions)

1. What is 3/2 as a mixed number?

○ A) 2 1/3

- B) 1 1/2
- C) 1 2/3
- D) 1 1/3

2. Convert 4 1/3 to an improper fraction.

- A) 10/3
- B) 11/3
- C) 13/3
- D) 14/3

3. 6/7 + 2/7 = ?

- A) 7/7
- B) 8/7
- C) 9/7
- D) 6/14

4. 9/11 − 4/11 = ?

- A) 13/11
- B) 6/11
- C) 5/11
- D) 3/11

5. 3/5 + 1/2 = ? (simplified)

- A) 4/7
- B) 5/7
- C) 7/10
- D) 11/10

6. 2 1/4 + 1 2/3 = ?

- A) 3 9/12
- B) 3 11/12
- C) 3 5/6
- D) 4

7. 5 1/2 − 2 3/4 = ?

- A) 2 1/4
- B) 2 1/2
- C) 2 3/4
- D) 3 3/4

8. Estimate 2 3/8 + 1 2/3.

- A) About 4
- B) About 5
- C) About 3
- D) About 6

9. 4 × 3/5 = ?

- A) 7/5
- B) 12/5
- C) 4/5
- D) 15/5

10. What is the reciprocal of 7/9?

- A) 2/9
- B) 7/2
- C) 9/7
- D) 7/9

11. Multiply: 1 1/3 × 3/4

- A) 1
- B) 1 1/3
- C) 1/2
- D) 2

12. Reduce before multiplying: 2/5 × 5/8

- A) 10/40
- B) 1/2
- C) 2/8
- D) 1/4

13. Divide: 3/4 ÷ 2

- A) 3/2
- B) 3/8
- C) 2/3
- D) 2/8

14. Divide: 7 ÷ 1/2

- A) 3.5
- B) 0.5
- C) 7/2
- D) 14

15. Divide: 1/3 ÷ 1/6

- A) 1/2
- B) 2
- C) 3
- D) 6

16. Divide: 2 1/2 ÷ 1 1/4

- A) 2
- B) 1
- C) 3/2
- D) 5/2

17. Write the ratio of 8 cats to 6 dogs.

- A) 6:8

- B) 4:3
- C) 8:6
- D) 3:4

18. Are 2/3 and 4/6 equivalent ratios?
- A) Yes
- B) No

19. Solve: 5/7 = x/21
- A) 12
- B) 15
- C) 10
- D) 21

20. Fill the next ratio: 2:5, 4:10, 6:15, ___
- A) 7:16
- B) 8:20
- C) 5:12
- D) 10:18

21. Find the rate: 150 miles in 3 hours.
- A) 50 miles/hour
- B) 150 miles/hour
- C) 53 miles/hour
- D) 45 miles/hour

22. What is a whole number?
- A) A number without fractions or decimals
- B) A number with a decimal
- C) A negative number
- D) A fraction

23. What is the place value of 7 in 7,345?

- A) Thousands
- B) Hundreds
- C) Tens
- D) Ones

24. What is |−14|?

- A) 14
- B) −14
- C) 0
- D) 7

25. Distance between −3 and 9?

- A) 12
- B) 6
- C) 3
- D) 9

26. Estimate: 8 7/8 − 4 1/10

- A) About 4
- B) About 3
- C) About 5
- D) About 6

27. 12/9 as a mixed number.

- A) 1 3/9
- B) 1 1/3
- C) 1 1/9
- D) 2 1/3

28. Convert 5 2/7 to improper fraction.

- A) 37/7

- B) 47/7
- C) 35/7
- D) 12/7

29. 7/8 + 1/4 = ?
- A) 8/12
- B) 1
- C) 1 1/8
- D) 9/12

30. 5/6 − 1/3 = ?
- A) 2/6
- B) 4/9
- C) 1/2
- D) 1/3

31. 4/9 + 2/3 = ?
- A) 10/9
- B) 1 1/9
- C) 1/3
- D) 2/3

32. 1 3/5 + 2 2/15 = ?
- A) 4 1/3
- B) 4 1/15
- C) 3 2/5
- D) 4 1/5

33. 3 1/8 − 1 5/8 = ?
- A) 1 1/2
- B) 2
- C) 1 3/4

○ D) 1 1/8

34. Estimate 3 3/4 + 2 1/4.

○ A) 6
○ B) 5
○ C) 7
○ D) 4

35. 2 × 5/9 = ?

○ A) 10/9
○ B) 5/18
○ C) 2/5
○ D) 7/9

36. Reciprocal of 4/7?

○ A) 7/4
○ B) 4/7
○ C) 1/4
○ D) 1/7

37. Multiply: 2 1/2 × 2/5

○ A) 1
○ B) 1 1/4
○ C) 2
○ D) 2 1/2

38. Reduce before multiplying: 3/8 × 4/9

○ A) 1/6
○ B) 3/9
○ C) 4/17
○ D) 1/6

39. Divide: 5/6 ÷ 2

- ○ A) 5/12
- ○ B) 1/3
- ○ C) 1/12
- ○ D) 5/6

40. Divide: 10 ÷ 2/5

- ○ A) 25
- ○ B) 5
- ○ C) 20
- ○ D) 25

Submit Pre-Test

Questions and Answers

Please complete the Pre-Test above to see step-by-step solutions for any questions you miss.

Post-Test (40 Questions)

1. What is 3/2 as a mixed number?

- ○ A) 2 1/3
- ○ B) 1 1/2
- ○ C) 1 2/3
- ○ D) 1 1/3

2. Convert 4 1/3 to an improper fraction.

- ○ A) 10/3
- ○ B) 11/3
- ○ C) 13/3
- ○ D) 14/3

3. 6/7 + 2/7 = ?

- A) 7/7
- B) 8/7
- C) 9/7
- D) 6/14

4. 9/11 − 4/11 = ?

- A) 13/11
- B) 6/11
- C) 5/11
- D) 3/11

5. 3/5 + 1/2 = ? (simplified)

- A) 4/7
- B) 5/7
- C) 7/10
- D) 11/10

6. 2 1/4 + 1 2/3 = ?

- A) 3 9/12
- B) 3 11/12
- C) 3 5/6
- D) 4

7. 5 1/2 − 2 3/4 = ?

- A) 2 1/4
- B) 2 1/2
- C) 2 3/4
- D) 3 3/4

8. Estimate 2 3/8 + 1 2/3.

- A) About 4
- B) About 5
- C) About 3
- D) About 6

9. 4 × 3/5 = ?

- A) 7/5
- B) 12/5
- C) 4/5
- D) 15/5

10. What is the reciprocal of 7/9?

- A) 2/9
- B) 7/2
- C) 9/7
- D) 7/9

11. Multiply: 1 1/3 × 3/4

- A) 1
- B) 1 1/3
- C) 1/2
- D) 2

12. Reduce before multiplying: 2/5 × 5/8

- A) 10/40
- B) 1/2
- C) 2/8
- D) 1/4

13. Divide: 3/4 ÷ 2

- A) 3/2

- ○ B) 3/8
- ○ C) 2/3
- ○ D) 2/8

14. Divide: 7 ÷ 1/2
- ○ A) 3.5
- ○ B) 0.5
- ○ C) 7/2
- ○ D) 14

15. Divide: 1/3 ÷ 1/6
- ○ A) 1/2
- ○ B) 2
- ○ C) 3
- ○ D) 6

16. Divide: 2 1/2 ÷ 1 1/4
- ○ A) 2
- ○ B) 1
- ○ C) 3/2
- ○ D) 5/2

17. Write the ratio of 8 cats to 6 dogs.
- ○ A) 6:8
- ○ B) 4:3
- ○ C) 8:6
- ○ D) 3:4

18. Are 2/3 and 4/6 equivalent ratios?
- ○ A) Yes
- ○ B) No

19. Solve: 5/7 = x/21

- A) 12
- B) 15
- C) 10
- D) 21

20. Fill the next ratio: 2:5, 4:10, 6:15, ___

- A) 7:16
- B) 8:20
- C) 5:12
- D) 10:18

21. Find the rate: 150 miles in 3 hours.

- A) 50 miles/hour
- B) 150 miles/hour
- C) 53 miles/hour
- D) 45 miles/hour

22. What is a whole number?

- A) A number without fractions or decimals
- B) A number with a decimal
- C) A negative number
- D) A fraction

23. What is the place value of 7 in 7,345?

- A) Thousands
- B) Hundreds
- C) Tens
- D) Ones

24. What is |−14|?

- A) 14

- ○ B) −14
- ○ C) 0
- ○ D) 7

25. Distance between −3 and 9?

- ○ A) 12
- ○ B) 6
- ○ C) 3
- ○ D) 9

26. Estimate: 8 7/8 − 4 1/10

- ○ A) About 4
- ○ B) About 3
- ○ C) About 5
- ○ D) About 6

27. 12/9 as a mixed number.

- ○ A) 1 3/9
- ○ B) 1 1/3
- ○ C) 1 1/9
- ○ D) 2 1/3

28. Convert 5 2/7 to improper fraction.

- ○ A) 37/7
- ○ B) 47/7
- ○ C) 35/7
- ○ D) 12/7

29. 7/8 + 1/4 = ?

- ○ A) 8/12
- ○ B) 1
- ○ C) 1 1/8

○ D) 9/12

30. 5/6 − 1/3 = ?

○ A) 2/6
○ B) 4/9
○ C) 1/2
○ D) 1/3

31. 4/9 + 2/3 = ?

○ A) 10/9
○ B) 1 1/9
○ C) 1/3
○ D) 2/3

32. 1 3/5 + 2 2/15 = ?

○ A) 4 1/3
○ B) 4 1/15
○ C) 3 2/5
○ D) 4 1/5

33. 3 1/8 − 1 5/8 = ?

○ A) 1 1/2
○ B) 2
○ C) 1 3/4
○ D) 1 1/8

34. Estimate 3 3/4 + 2 1/4.

○ A) 6
○ B) 5
○ C) 7
○ D) 4

35. 2 × 5/9 = ?

- A) 10/9
- B) 5/18
- C) 2/5
- D) 7/9

36. Reciprocal of 4/7?

- A) 7/4
- B) 4/7
- C) 1/4
- D) 1/7

37. Multiply: 2 1/2 × 2/5

- A) 1
- B) 1 1/4
- C) 2
- D) 2 1/2

38. Reduce before multiplying: 3/8 × 4/9

- A) 1/6
- B) 3/9
- C) 4/17
- D) 1/6

39. Divide: 5/6 ÷ 2

- A) 5/12
- B) 1/3
- C) 1/12
- D) 5/6

40. Divide: 10 ÷ 2/5

- A) 25

- ○ B) 5
- ○ C) 20
- ○ D) 25

Submit Post-Test

Decimals, Fractions, and Percents Mastery

Understand, Practice, and Test Your Knowledge!

1. Concepts

- **Decimal Place Value and Rounding:**
  Each digit in a decimal has a place value (tenths, hundredths, thousandths, etc.). Rounding means finding the nearest value based on a given place value.
- **Changing Fractions to Decimals:**
  Divide the numerator by the denominator. Example: 3/4 = 0.75.
- **Changing Decimals to Fractions:**
  Write the decimal over its place value and simplify. Example: 0.6 = 6/10 = 3/5.
- **Comparing and Ordering Decimals:**
  Align decimals by the decimal point and compare digits from left to right.
- **Adding & Subtracting Decimals:**
  Line up decimal points and add or subtract as with whole numbers.
- **Adding & Subtracting Money:**
  Treat money values as decimals. Always line up decimal points.
- **Estimating Decimal Sums & Differences:**
  Round numbers to estimate before adding or subtracting.
- **Multiplying Decimals & Money:**
  Ignore decimals, multiply, then count total decimal places in factors for the answer.
- **Estimating Decimal Products:**
  Round factors before multiplying for a quick estimate.
- **Dividing Decimals:**
  - By Whole Numbers: Divide as usual.
  - By Decimals: Move decimal points to make the divisor a whole number, then divide.
- **Estimating Decimal Quotients:**
  Round numbers so the division is easier to estimate.
- **Understanding Percent:**
  Percent means "per hundred." 45% = 45 out of 100 = 0.45.
- **Percents & Fractions/Decimals:**
  To change a percent to a fraction, write over 100 then simplify. To a decimal, divide by 100.
- **Multiplying Percents and Fractions:**
  Change percent to a fraction or decimal, then multiply as usual.

2. Examples

- **Rounding Decimals:** Round 3.678 to the nearest hundredth: **3.68**
- **Fraction to Decimal:** 5/8 = 0.625
- **Decimal to Fraction:** 0.75 = 75/100 = **3/4**
- **Comparing Decimals:** Which is greater: 0.56 or 0.506? **0.56**
- **Adding Decimals:** 2.35 + 1.7 = **4.05**
- **Subtracting Money:** $12.50 - $7.75 = **$4.75**
- **Estimating Decimal Sums:** Estimate 4.67 + 5.29: **5 + 5 = 10**
- **Multiplying Decimals:** 0.4 × 0.6 = **0.24**
- **Multiplying Money:** $3.25 × 6 = **$19.50**
- **Dividing Decimals by Whole Numbers:** 5.4 ÷ 3 = **1.8**
- **Dividing Whole Numbers by Decimals:** 6 ÷ 0.2 = **30**
- **Dividing Decimals by Decimals:** 0.48 ÷ 0.6 = **0.8**
- **Understanding Percent:** 25% of 80 = 0.25 × 80 = **20**
- **Percents and Fractions:** 60% = 60/100 = **3/5**
- **Percents and Decimals:** 45% = **0.45**
- **Multiplying Percents and Fractions:** 80% of 3/4 = 0.8 × 0.75 = **0.6**

3. Pre-Test

1. What is 0.7 rounded to the nearest whole number?
   - ○ 0
   - ○ 1
   - ○ 7

2. Change 3/5 to a decimal.
   - ○ 0.6
   - ○ 0.5
   - ○ 0.3

3. Which is greater: 0.39 or 0.4?
   - ○ 0.39
   - ○ 0.4

4. 2.5 + 3.1 = ?
   - ○ 5.6
   - ○ 6.1
   - ○ 5.5

5. 8 ÷ 0.4 = ?
   - ○ 2
   - ○ 20
   - ○ 16

6. Write 0.25 as a fraction.
- ○ 1/4
- ○ 1/2
- ○ 1/5

7. Round 5.678 to the nearest tenth.
- ○ 5.7
- ○ 5.6
- ○ 5.67

8. 0.5 + 0.6 = ?
- ○ 1.1
- ○ 1.0
- ○ 0.11

9. $5.25 - $2.75 = ?
- ○ 2.50
- ○ 3.00
- ○ 2.75

10. Estimate 6.8 + 3.1.
- ○ 10
- ○ 9
- ○ 12

11. 0.3 × 0.5 = ?
- ○ 0.15
- ○ 0.8
- ○ 0.35

12. $2.50 × 4 = ?
- ○ 10.00
- ○ 7.00
- ○ 12.50

13. Estimate 4.5 × 2.1.
- ○ 10
- ○ 9
- ○ 6

14. 6.3 ÷ 3 = ?
- ○ 2.1
- ○ 3.1
- ○ 2.0

15. 5 ÷ 0.5 = ?
- ○ 10

- ○ 2.5
- ○ 1

16. 0.81 ÷ 0.9 = ?
    - ○ 0.9
    - ○ 0.81
    - ○ 1.1

17. $10.00 ÷ 4 = ?
    - ○ 2.50
    - ○ 2.00
    - ○ 4.00

18. Estimate 9 ÷ 0.3.
    - ○ 30
    - ○ 3
    - ○ 27

19. 20% as a decimal.
    - ○ 0.2
    - ○ 2.0
    - ○ 0.02

20. 75% as a fraction.
    - ○ 3/4
    - ○ 1/4
    - ○ 2/5

21. 50% of 80 = ?
    - ○ 40
    - ○ 50
    - ○ 30

22. 60% of 2/5 = ?
    - ○ 0.24
    - ○ 0.3
    - ○ 0.12

23. 0.48 ÷ 0.6 = ?
    - ○ 0.8
    - ○ 1.2
    - ○ 0.6

24. 0.25 × 0.4 = ?
    - ○ 0.10
    - ○ 0.65
    - ○ 0.14

25. $7.50 + $2.25 = ?
- ○ 9.75
- ○ 9.25
- ○ 10.75

26. 0.9 - 0.63 = ?
- ○ 0.27
- ○ 0.37
- ○ 0.47

27. 1.05 × 2 = ?
- ○ 2.10
- ○ 2.00
- ○ 2.15

28. Estimate 5.99 × 2.01.
- ○ 12
- ○ 10
- ○ 15

29. 2.5 ÷ 0.5 = ?
- ○ 5
- ○ 2
- ○ 1.25

30. 18 ÷ 0.6 = ?
- ○ 30
- ○ 3
- ○ 12

31. 33% as a decimal.
- ○ 0.33
- ○ 0.03
- ○ 3.3

32. 0.45 as a fraction.
- ○ 9/20
- ○ 4/5
- ○ 2/5

33. Which is greater: 0.77 or 0.707?
- ○ 0.77
- ○ 0.707

34. 4.25 - 2.75 = ?
- ○ 1.5
- ○ 2.5

- ○ 1.75

35. 0.15 × 0.2 = ?
    - ○ 0.03
    - ○ 0.10
    - ○ 0.02

36. $8.40 ÷ 7 = ?
    - ○ 1.20
    - ○ 1.40
    - ○ 1.00

37. Estimate 12.6 ÷ 3.1.
    - ○ 4
    - ○ 3
    - ○ 5

38. 0.8 as a percent.
    - ○ 80%
    - ○ 8%
    - ○ 8.0%

39. 1/5 as a percent.
    - ○ 20%
    - ○ 25%
    - ○ 10%

40. 90% of 0.6 = ?
    - ○ 0.54
    - ○ 0.6
    - ○ 0.09

Submit Pre-Test

4. Questions & Answers

"How do I round 2.786 to the nearest tenth?"

Look at the hundredths digit (8). Since it's 5 or more, round the tenths up: 2.8

"Convert 0.125 to a fraction."

0.125 = 125/1000 = 1/8 after simplifying.

"What is 15% as a decimal?"

15% = 0.15

"Estimate 3.92 + 5.07."

Estimate both as 4 + 5 = 9

"How can I divide 0.64 by 0.8?"

Move both decimals one place right (6.4 ÷ 8), which is 0.8

5. Post-Test

1. Round 4.36 to the nearest whole number.
   - ○ 4
   - ○ 5
   - ○ 3

2. Change 7/8 to a decimal.
   - ○ 0.875
   - ○ 0.78
   - ○ 0.8

3. Which is greater: 0.45 or 0.405?
   - ○ 0.45
   - ○ 0.405

4. 7.2 - 3.8 = ?
   - ○ 3.4
   - ○ 4.0
   - ○ 3.2

5. 0.9 × 0.7 = ?
   - ○ 0.63
   - ○ 0.7
   - ○ 0.16

6. Write 0.2 as a fraction.
   - ○ 1/5
   - ○ 1/2
   - ○ 2/5

7. Round 9.84 to the nearest tenth.
   - ○ 9.8
   - ○ 9.9
   - ○ 10.0

8. 0.8 + 0.7 = ?

- ○ 1.5
- ○ 1.6
- ○ 15

9. $3.75 - $1.25 = ?
   - ○ 2.50
   - ○ 2.75
   - ○ 1.50

10. Estimate 8.9 + 2.2.
    - ○ 11
    - ○ 12
    - ○ 9

11. 0.7 × 0.4 = ?
    - ○ 0.28
    - ○ 0.21
    - ○ 1.1

12. $4.25 × 3 = ?
    - ○ 12.75
    - ○ 13.25
    - ○ 11.75

13. Estimate 2.7 × 5.9.
    - ○ 18
    - ○ 15
    - ○ 12

14. 4.8 ÷ 6 = ?
    - ○ 0.8
    - ○ 8
    - ○ 0.6

15. 10 ÷ 0.25 = ?
    - ○ 40
    - ○ 2.5
    - ○ 25

16. 0.56 ÷ 0.8 = ?
    - ○ 0.7
    - ○ 0.8
    - ○ 0.56

17. $12 ÷ 3 = ?
    - ○ 4
    - ○ 3

- ○ 5

18. Estimate 10 ÷ 0.25.
    - ○ 40
    - ○ 4
    - ○ 25

19. 12% as a decimal.
    - ○ 0.12
    - ○ 1.2
    - ○ 0.012

20. 40% as a fraction.
    - ○ 2/5
    - ○ 4/5
    - ○ 1/4

21. 25% of 120 = ?
    - ○ 30
    - ○ 25
    - ○ 20

22. 70% of 3/10 = ?
    - ○ 0.21
    - ○ 0.3
    - ○ 0.17

23. 0.7 ÷ 0.2 = ?
    - ○ 3.5
    - ○ 3.0
    - ○ 0.5

24. 0.32 × 0.5 = ?
    - ○ 0.16
    - ○ 0.82
    - ○ 0.13

25. $9.60 + $3.40 = ?
    - ○ 13.00
    - ○ 12.00
    - ○ 14.00

26. 1.2 - 0.65 = ?
    - ○ 0.55
    - ○ 0.65
    - ○ 0.45

27. 2.25 × 4 = ?
- ○ 9.00
- ○ 8.00
- ○ 10.00

28. Estimate 4.02 × 1.98.
- ○ 8
- ○ 10
- ○ 6

29. 3.6 ÷ 0.6 = ?
- ○ 6
- ○ 0.6
- ○ 3

30. 15 ÷ 0.3 = ?
- ○ 50
- ○ 5
- ○ 45

31. 66% as a decimal.
- ○ 0.66
- ○ 0.06
- ○ 6.6

32. 0.6 as a fraction.
- ○ 3/5
- ○ 6/10
- ○ 2/5

33. Which is greater: 0.88 or 0.868?
- ○ 0.88
- ○ 0.868

34. 5.5 - 2.25 = ?
- ○ 3.25
- ○ 2.25
- ○ 2.75

35. 0.25 × 0.12 = ?
- ○ 0.03
- ○ 0.30
- ○ 0.15

36. $5.60 ÷ 8 = ?
- ○ 0.70
- ○ 0.60

- ○ 0.80

37. Estimate 8.2 ÷ 2.1.
    - ○ 4
    - ○ 3
    - ○ 5

38. 0.5 as a percent.
    - ○ 50%
    - ○ 5%
    - ○ 0.5%

39. 1/4 as a percent.
    - ○ 25%
    - ○ 20%
    - ○ 40%

40. 60% of 0.8 = ?
    - ○ 0.48
    - ○ 0.6
    - ○ 0.08

Submit Post-Test