Name: _____
Date: _____ Score: ___ / 10

1. $\frac{7}{10} = \frac{?}{100}$

2. $\frac{7}{10} = ?$

WORKSPACE:

WORKSPACE:

3. $\frac{7}{10} + \frac{46}{100} =$ _____

4. $\frac{9}{10} = \frac{?}{100}$

WORKSPACE:

WORKSPACE:

5. $\frac{3}{10} = ?$

6. $\frac{7}{10} + \frac{48}{100} =$ _____

WORKSPACE:

WORKSPACE:

7. $\frac{5}{10} = \frac{?}{100}$

8. $\frac{4}{10} = ?$

WORKSPACE:

WORKSPACE:

9. $\frac{6}{10} + \frac{46}{100} =$ _____

10. $\frac{1}{10} = \frac{?}{100}$

WORKSPACE:

WORKSPACE:

1. $\frac{7}{10} = \frac{?}{100}$ **Ans: 70**

1. Multiply denominator by 10 to reach 100: 10 × 10 = 100.
2. Multiply numerator by the same factor (10): 7 × 10 = 70.
3. Equivalent fraction: 7/10 = 70/100 (Missing numerator: 70) ✅

2. $\frac{7}{10} = ?$ **Ans: 0.7**

1. Recognize place value: The denominator 10 indicates tenths (one place to the right of the decimal point).
2. Place the numerator in tenths: 7/10 = 0.7.
3. Solution: 0.7 ✅

3. $\frac{7}{10} + \frac{46}{100}$ **= 116/100**

1. Convert tenths to hundredths: 7/10 = (7 × 10)/(10 × 10) = 70/100.
2. Add fractions with like denominators: 70/100 + 46/100 = (70 + 46)/100 = 116/100.
3. Solution: 116/100 (in decimal form: 1.16) ✅

4. $\frac{9}{10} = \frac{?}{100}$ **Ans: 90**

1. Multiply denominator by 10 to reach 100: 10 × 10 = 100.
2. Multiply numerator by the same factor (10): 9 × 10 = 90.
3. Equivalent fraction: 9/10 = 90/100 (Missing numerator: 90) ✅

5. $\frac{3}{10} = ?$ **Ans: 0.3**

1. Recognize place value: The denominator 10 indicates tenths (one place to the right of the decimal point).
2. Place the numerator in tenths: 3/10 = 0.3.
3. Solution: 0.3 ✅

6. $\frac{7}{10} + \frac{48}{100}$ **= 118/100**

1. Convert tenths to hundredths: 7/10 = (7 × 10)/(10 × 10) = 70/100.
2. Add fractions with like denominators: 70/100 + 48/100 = (70 + 48)/100 = 118/100.
3. Solution: 118/100 (in decimal form: 1.18) ✅

7. $\frac{5}{10} = \frac{?}{100}$ **Ans: 50**

1. Multiply denominator by 10 to reach 100: 10 × 10 = 100.
2. Multiply numerator by the same factor (10): 5 × 10 = 50.
3. Equivalent fraction: 5/10 = 50/100 (Missing numerator: 50) ✅

8. $\frac{4}{10} = ?$ **Ans: 0.4**

1. Recognize place value: The denominator 10 indicates tenths (one place to the right of the decimal point).
2. Place the numerator in tenths: 4/10 = 0.4.
3. Solution: 0.4 ✅

9. $\frac{6}{10} + \frac{46}{100}$ **= 106/100**

1. Convert tenths to hundredths: 6/10 = (6 × 10)/(10 × 10) = 60/100.
2. Add fractions with like denominators: 60/100 + 46/100 = (60 + 46)/100 = 106/100.
3. Solution: 106/100 (in decimal form: 1.06) ✅

10. $\frac{1}{10} = \frac{?}{100}$ **Ans: 10**

1. Multiply denominator by 10 to reach 100: 10 × 10 = 100.
2. Multiply numerator by the same factor (10): 1 × 10 = 10.
3. Equivalent fraction: 1/10 = 10/100 (Missing numerator: 10) ✅

Name: _____
Date: _____ Score: ___ / 10

1. Order from least to greatest: 3.14, 3.37, 3.87, 3.2

ANSWER: _____

2. Compare the decimals: 0.2 ___ 0.16

ANSWER: _____

3. Compare the decimals: 0.5 ___ 0.45

ANSWER: _____

4. Order from least to greatest: 1.13, 1.58, 1.2, 1.93

ANSWER: _____

5. Compare the decimals: 0.2 ___ 0.18

ANSWER: _____

6. Compare the decimals: 0.5 ___ 0.47

ANSWER: _____

7. Order from least to greatest: 0.21, 0.6, 0.61, 0.95

ANSWER: _____

8. Compare the decimals: 0.6 ___ 0.55

ANSWER: _____

9. Compare the decimals: 0.76 ___ 0.8

ANSWER: _____

10. Order from least to greatest: 0.89, 0.7, 0.10, 0.53

ANSWER: _____

1. Order from least to greatest: 3.14, 3.37, 3.87, 3.2

ANSWER: `3.14, 3.2, 3.37, 3.87`

1. Pad all decimals with trailing zeros so each has 2 decimal digits.
2. Compare digits column-by-column starting from tenths: 3.14 < 3.2 < 3.37 < 3.87.
3. Arranged from least to greatest: 3.14, 3.2, 3.37, 3.87.
4. Result: 3.14, 3.2, 3.37, 3.87 ✅

2. Compare the decimals: 0.2 ___ 0.16

ANSWER: `>`

1. Common misconception trap: Students often think longer decimals are larger. Pad with trailing zeros to compare accurately: 0.20 vs 0.16.
2. Compare the tenths place: 0.20 has 2 tenths, while 0.16 has 1 tenths.
3. Therefore: 0.2 > 0.16 ✅

3. Compare the decimals: 0.5 ___ 0.45

ANSWER: `>`

1. Common misconception trap: Students often think longer decimals are larger. Pad with trailing zeros to compare accurately: 0.50 vs 0.45.
2. Compare the tenths place: 0.50 has 5 tenths, while 0.45 has 4 tenths.
3. Therefore: 0.5 > 0.45 ✅

4. Order from least to greatest: 1.13, 1.58, 1.2, 1.93

ANSWER: `1.13, 1.2, 1.58, 1.93`

1. Pad all decimals with trailing zeros so each has 2 decimal digits.
2. Compare digits column-by-column starting from tenths: 1.13 < 1.2 < 1.58 < 1.93.
3. Arranged from least to greatest: 1.13, 1.2, 1.58, 1.93.
4. Result: 1.13, 1.2, 1.58, 1.93 ✅

5. Compare the decimals: 0.2 ___ 0.18

ANSWER: `>`

1. Common misconception trap: Students often think longer decimals are larger. Pad with trailing zeros to compare accurately: 0.20 vs 0.18.
2. Compare the tenths place: 0.20 has 2 tenths, while 0.18 has 1 tenths.
3. Therefore: 0.2 > 0.18 ✅

6. Compare the decimals: 0.5 ___ 0.47

ANSWER: `>`

1. Common misconception trap: Students often think longer decimals are larger. Pad with trailing zeros to compare accurately: 0.50 vs 0.47.
2. Compare the tenths place: 0.50 has 5 tenths, while 0.47 has 4 tenths.
3. Therefore: 0.5 > 0.47 ✅

7. Order from least to greatest: 0.21, 0.6, 0.61, 0.95

ANSWER: `0.21, 0.6, 0.61, 0.95`

1. Pad all decimals with trailing zeros so each has 2 decimal digits.
2. Compare digits column-by-column starting from tenths: 0.21 < 0.6 < 0.61 < 0.95.
3. Arranged from least to greatest: 0.21, 0.6, 0.61, 0.95.
4. Result: 0.21, 0.6, 0.61, 0.95 ✅

8. Compare the decimals: 0.6 ___ 0.55

ANSWER: `>`

1. Common misconception trap: Students often think longer decimals are larger. Pad with trailing zeros to compare accurately: 0.60 vs 0.55.
2. Compare the tenths place: 0.60 has 6 tenths, while 0.55 has 5 tenths.
3. Therefore: 0.6 > 0.55 ✅

9. Compare the decimals: 0.76 ___ 0.8

10. Order from least to greatest: 0.89, 0.7, 0.10, 0.53

Name: _____
Date: _____ Score: ___ / 10

1. **Convert $\frac{8}{25}$ to a decimal**

= _____

WORKSPACE:

2. **Convert $\frac{6}{25}$ to a decimal**

= _____

WORKSPACE:

3. **Convert $\frac{19}{20}$ to a decimal**

= _____

WORKSPACE:

4. **Convert $\frac{3}{25}$ to a decimal**

= _____

WORKSPACE:

5. **Convert $\frac{11}{50}$ to a decimal**

= _____

WORKSPACE:

6. **Convert $\frac{16}{25}$ to a decimal**

= _____

WORKSPACE:

7. **Convert $\frac{9}{25}$ to a decimal**

= _____

WORKSPACE:

8. **Convert $\frac{1}{20}$ to a decimal**

= _____

WORKSPACE:

9. **Convert $\frac{21}{25}$ to a decimal**

= _____

WORKSPACE:

10. **Convert $\frac{1}{50}$ to a decimal**

= _____

WORKSPACE:

1. **Convert $\frac{8}{25}$ to a decimal**

= 0.32

1. Scale the denominator to a power of 10: Multiply numerator and denominator by 4 (25 × 4 = 100).
2. Form equivalent fraction: (8 × 4) / (25 × 4) = 32/100.
3. Write as decimal notation: 32/100 = 0.32.
4. Solution: 8/25 = 0.32 ✅

2. **Convert $\frac{6}{25}$ to a decimal**

= 0.24

1. Scale the denominator to a power of 10: Multiply numerator and denominator by 4 (25 × 4 = 100).
2. Form equivalent fraction: (6 × 4) / (25 × 4) = 24/100.
3. Write as decimal notation: 24/100 = 0.24.
4. Solution: 6/25 = 0.24 ✅

3. **Convert $\frac{19}{20}$ to a decimal**

= 0.95

1. Scale the denominator to a power of 10: Multiply numerator and denominator by 5 (20 × 5 = 100).
2. Form equivalent fraction: (19 × 5) / (20 × 5) = 95/100.
3. Write as decimal notation: 95/100 = 0.95.
4. Solution: 19/20 = 0.95 ✅

4. **Convert $\frac{3}{25}$ to a decimal**

= 0.12

1. Scale the denominator to a power of 10: Multiply numerator and denominator by 4 (25 × 4 = 100).
2. Form equivalent fraction: (3 × 4) / (25 × 4) = 12/100.
3. Write as decimal notation: 12/100 = 0.12.
4. Solution: 3/25 = 0.12 ✅

5. **Convert $\frac{11}{50}$ to a decimal**

= 0.22

1. Scale the denominator to a power of 10: Multiply numerator and denominator by 2 (50 × 2 = 100).
2. Form equivalent fraction: (11 × 2) / (50 × 2) = 22/100.
3. Write as decimal notation: 22/100 = 0.22.
4. Solution: 11/50 = 0.22 ✅

6. **Convert $\frac{16}{25}$ to a decimal**

= 0.64

1. Scale the denominator to a power of 10: Multiply numerator and denominator by 4 (25 × 4 = 100).
2. Form equivalent fraction: (16 × 4) / (25 × 4) = 64/100.
3. Write as decimal notation: 64/100 = 0.64.
4. Solution: 16/25 = 0.64 ✅

7. **Convert $\frac{9}{25}$ to a decimal**

= 0.36

1. Scale the denominator to a power of 10: Multiply numerator and denominator by 4 (25 × 4 = 100).
2. Form equivalent fraction: (9 × 4) / (25 × 4) = 36/100.
3. Write as decimal notation: 36/100 = 0.36.
4. Solution: 9/25 = 0.36 ✅

8. **Convert $\frac{1}{20}$ to a decimal**

= 0.05

1. Scale the denominator to a power of 10: Multiply numerator and denominator by 5 (20 × 5 = 100).
2. Form equivalent fraction: (1 × 5) / (20 × 5) = 5/100.
3. Write as decimal notation: 5/100 = 0.05.
4. Solution: 1/20 = 0.05 ✅

9. **Convert $\frac{21}{25}$ to a decimal**

= 0.84

10. **Convert $\frac{1}{50}$ to a decimal**

= 0.02

Name: _____
Date: _____ Score: ___ / 10

1. **0.93 ÷ 0.3** = _____

2. **2.58 ÷ 0.6** = _____

WORKSPACE:

3. **0.96 ÷ 0.8** = _____

WORKSPACE:

4. **2.17 ÷ 0.7** = _____

WORKSPACE:

5. **0.35 ÷ 0.7** = _____

WORKSPACE:

6. **2.4 ÷ 0.8** = _____

WORKSPACE:

7. **1.9 ÷ 0.5** = _____

WORKSPACE:

8. **0.96 ÷ 0.3** = _____

WORKSPACE:

9. **1.02 ÷ 0.6** = _____

WORKSPACE:

10. **1.98 ÷ 0.6** = _____

WORKSPACE:

1. **0.93 ÷ 0.3** = 3.1

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 9.3 ÷ 3
2. Divide: 9.3 ÷ 3 = 3.1
3. Value: 3.1 (Check: 3.1 × 0.3 = 0.93) ✅

2. **2.58 ÷ 0.6** = 4.3

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 25.8 ÷ 6
2. Divide: 25.8 ÷ 6 = 4.3
3. Value: 4.3 (Check: 4.3 × 0.6 = 2.58) ✅

3. **0.96 ÷ 0.8** = 1.2

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 9.6 ÷ 8
2. Divide: 9.6 ÷ 8 = 1.2
3. Value: 1.2 (Check: 1.2 × 0.8 = 0.96) ✅

4. **2.17 ÷ 0.7** = 3.1

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 21.7 ÷ 7
2. Divide: 21.7 ÷ 7 = 3.1
3. Value: 3.1 (Check: 3.1 × 0.7 = 2.17) ✅

5. **0.35 ÷ 0.7** = 0.5

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 3.5 ÷ 7
2. Divide: 3.5 ÷ 7 = 0.5
3. Value: 0.5 (Check: 0.5 × 0.7 = 0.35) ✅

6. **2.4 ÷ 0.8** = 3

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 24 ÷ 8
2. Divide: 24 ÷ 8 = 3
3. Value: 3 (Check: 3 × 0.8 = 2.4) ✅

7. **1.9 ÷ 0.5** = 3.8

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 19 ÷ 5
2. Divide: 19 ÷ 5 = 3.8
3. Value: 3.8 (Check: 3.8 × 0.5 = 1.9) ✅

8. **0.96 ÷ 0.3** = 3.2

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 9.6 ÷ 3
2. Divide: 9.6 ÷ 3 = 3.2
3. Value: 3.2 (Check: 3.2 × 0.3 = 0.96) ✅

9. **1.02 ÷ 0.6** = 1.7

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 10.2 ÷ 6
2. Divide: 10.2 ÷ 6 = 1.7
3. Value: 1.7 (Check: 1.7 × 0.6 = 1.02) ✅

10. **1.98 ÷ 0.6** = 3.3

1. Shift Decimal in Divisor: Multiply divisor and dividend by 10^1 → 19.8 ÷ 6
2. Divide: 19.8 ÷ 6 = 3.3
3. Value: 3.3 (Check: 3.3 × 0.6 = 1.98) ✅