Name: _____
Date: _____ Score: ___ / 10

1. $\frac{10}{12}$ = _____

2. $\frac{8}{16}$ = _____

WORKSPACE:

WORKSPACE:

3. $\frac{5}{30}$ = _____

4. $\frac{4}{8}$ = _____

WORKSPACE:

WORKSPACE:

5. $\frac{24}{28}$ = _____

6. $\frac{5}{30}$ = _____

WORKSPACE:

WORKSPACE:

7. $\frac{3}{6}$ = _____

8. $\frac{12}{15}$ = _____

WORKSPACE:

WORKSPACE:

9. $\frac{20}{28}$ = _____

10. $\frac{10}{25}$ = _____

WORKSPACE:

WORKSPACE:

1. $\frac{10}{12}$ = 5/6

1. Find Greatest Common Divisor (GCD) of 10 and 12: GCD = 2
2. Divide Numerator by 2: 10 ÷ 2 = 5
3. Divide Denominator by 2: 12 ÷ 2 = 6
4. Lowest Terms: 10/12 = 5/6 ✅

2. $\frac{8}{16}$ = 1/2

1. Find Greatest Common Divisor (GCD) of 8 and 16: GCD = 8
2. Divide Numerator by 8: 8 ÷ 8 = 1
3. Divide Denominator by 8: 16 ÷ 8 = 2
4. Lowest Terms: 8/16 = 1/2 ✅

3. $\frac{5}{30}$ = 1/6

1. Find Greatest Common Divisor (GCD) of 5 and 30: GCD = 5
2. Divide Numerator by 5: 5 ÷ 5 = 1
3. Divide Denominator by 5: 30 ÷ 5 = 6
4. Lowest Terms: 5/30 = 1/6 ✅

4. $\frac{4}{8}$ = 1/2

1. Find Greatest Common Divisor (GCD) of 4 and 8: GCD = 4
2. Divide Numerator by 4: 4 ÷ 4 = 1
3. Divide Denominator by 4: 8 ÷ 4 = 2
4. Lowest Terms: 4/8 = 1/2 ✅

5. $\frac{24}{28}$ = 6/7

1. Find Greatest Common Divisor (GCD) of 24 and 28: GCD = 4
2. Divide Numerator by 4: 24 ÷ 4 = 6
3. Divide Denominator by 4: 28 ÷ 4 = 7
4. Lowest Terms: 24/28 = 6/7 ✅

6. $\frac{5}{30}$ = 1/6

1. Find Greatest Common Divisor (GCD) of 5 and 30: GCD = 5
2. Divide Numerator by 5: 5 ÷ 5 = 1
3. Divide Denominator by 5: 30 ÷ 5 = 6
4. Lowest Terms: 5/30 = 1/6 ✅

7. $\frac{3}{6}$ = 1/2

1. Find Greatest Common Divisor (GCD) of 3 and 6: GCD = 3
2. Divide Numerator by 3: 3 ÷ 3 = 1
3. Divide Denominator by 3: 6 ÷ 3 = 2
4. Lowest Terms: 3/6 = 1/2 ✅

8. $\frac{12}{15}$ = 4/5

1. Find Greatest Common Divisor (GCD) of 12 and 15: GCD = 3
2. Divide Numerator by 3: 12 ÷ 3 = 4
3. Divide Denominator by 3: 15 ÷ 3 = 5
4. Lowest Terms: 12/15 = 4/5 ✅

9. $\frac{20}{28}$ = 5/7

1. Find Greatest Common Divisor (GCD) of 20 and 28: GCD = 4
2. Divide Numerator by 4: 20 ÷ 4 = 5
3. Divide Denominator by 4: 28 ÷ 4 = 7
4. Lowest Terms: 20/28 = 5/7 ✅

10. $\frac{10}{25}$ = 2/5

1. Find Greatest Common Divisor (GCD) of 10 and 25: GCD = 5
2. Divide Numerator by 5: 10 ÷ 5 = 2
3. Divide Denominator by 5: 25 ÷ 5 = 5
4. Lowest Terms: 10/25 = 2/5 ✅

Name: _____
Date: _____ Score: ___ / 10

1. $\frac{?}{2} = \frac{4}{8}$

WORKSPACE:

2. $\frac{?}{6} = \frac{6}{36}$

WORKSPACE:

3. $\frac{?}{3} = \frac{6}{18}$

WORKSPACE:

4. $\frac{1}{4} = \frac{?}{16}$

WORKSPACE:

5. $\frac{1}{2} = \frac{6}{?}$

WORKSPACE:

6. $\frac{?}{8} = \frac{28}{32}$

WORKSPACE:

7. $\frac{5}{7} = \frac{?}{35}$

WORKSPACE:

8. $\frac{?}{5} = \frac{20}{25}$

WORKSPACE:

9. $\frac{5}{8} = \frac{?}{24}$

WORKSPACE:

10. $\frac{?}{3} = \frac{4}{12}$

WORKSPACE:

1. $\frac{?}{2} = \frac{4}{8}$ **Ans: 1**

1. Find Scale Factor: Compare denominators: 8 ÷ 2 = 4
2. Divide Scaled Numerator by 4: 4 ÷ 4 = 1
3. Verify Equivalence: 1/2 = 4/8 ✅

2. $\frac{?}{6} = \frac{6}{36}$ **Ans: 1**

1. Find Scale Factor: Compare denominators: 36 ÷ 6 = 6
2. Divide Scaled Numerator by 6: 6 ÷ 6 = 1
3. Verify Equivalence: 1/6 = 6/36 ✅

3. $\frac{?}{3} = \frac{6}{18}$ **Ans: 1**

1. Find Scale Factor: Compare denominators: 18 ÷ 3 = 6
2. Divide Scaled Numerator by 6: 6 ÷ 6 = 1
3. Verify Equivalence: 1/3 = 6/18 ✅

4. $\frac{1}{4} = \frac{?}{16}$ **Ans: 4**

1. Find Scale Factor: Compare denominators: 16 ÷ 4 = 4
2. Multiply Numerator by 4: 1 × 4 = 4
3. Verify Equivalence: 1/4 = 4/16 ✅

5. $\frac{1}{2} = \frac{6}{?}$ **Ans: 12**

1. Find Scale Factor: Compare numerators: 6 ÷ 1 = 6
2. Multiply Denominator by 6: 2 × 6 = 12
3. Verify Equivalence: 1/2 = 6/12 ✅

6. $\frac{?}{8} = \frac{28}{32}$ **Ans: 7**

1. Find Scale Factor: Compare denominators: 32 ÷ 8 = 4
2. Divide Scaled Numerator by 4: 28 ÷ 4 = 7
3. Verify Equivalence: 7/8 = 28/32 ✅

7. $\frac{5}{7} = \frac{?}{35}$ **Ans: 25**

1. Find Scale Factor: Compare denominators: 35 ÷ 7 = 5
2. Multiply Numerator by 5: 5 × 5 = 25
3. Verify Equivalence: 5/7 = 25/35 ✅

8. $\frac{?}{5} = \frac{20}{25}$ **Ans: 4**

1. Find Scale Factor: Compare denominators: 25 ÷ 5 = 5
2. Divide Scaled Numerator by 5: 20 ÷ 5 = 4
3. Verify Equivalence: 4/5 = 20/25 ✅

9. $\frac{5}{8} = \frac{?}{24}$ **Ans: 15**

1. Find Scale Factor: Compare denominators: 24 ÷ 8 = 3
2. Multiply Numerator by 3: 5 × 3 = 15
3. Verify Equivalence: 5/8 = 15/24 ✅

10. $\frac{?}{3} = \frac{4}{12}$ **Ans: 1**

1. Find Scale Factor: Compare denominators: 12 ÷ 3 = 4
2. Divide Scaled Numerator by 4: 4 ÷ 4 = 1
3. Verify Equivalence: 1/3 = 4/12 ✅

Name: _____
Date: _____ Score: ___ / 10

1. $\frac{5}{10}$ ___ $\frac{7}{10}$ = _____

2. $\frac{3}{4}$ ___ $\frac{2}{7}$ = _____

WORKSPACE:

WORKSPACE:

3. $\frac{4}{8}$ ___ $\frac{2}{3}$ = _____

4. $\frac{3}{6}$ ___ $\frac{1}{10}$ = _____

WORKSPACE:

WORKSPACE:

5. $\frac{1}{2}$ ___ $\frac{1}{7}$ = _____

6. $\frac{2}{6}$ ___ $\frac{3}{5}$ = _____

WORKSPACE:

WORKSPACE:

7. $\frac{1}{2}$ ___ $\frac{1}{2}$ = _____

8. $\frac{5}{7}$ ___ $\frac{6}{8}$ = _____

WORKSPACE:

WORKSPACE:

9. $\frac{6}{10}$ ___ $\frac{1}{10}$ = _____

10. $\frac{2}{7}$ ___ $\frac{1}{3}$ = _____

WORKSPACE:

WORKSPACE:

1. $\frac{5}{10} __ \frac{7}{10}$ = <

1. Cross-Multiply (Butterfly Method): (5 × 10) vs (7 × 10) → 50 vs 70
2. Convert to Common Denominator (10): 5/10 = 5/10; 7/10 = 7/10
3. Comparison: 5/10 < 7/10 ✅

2. $\frac{3}{4} __ \frac{2}{7}$ = >

1. Cross-Multiply (Butterfly Method): (3 × 7) vs (2 × 4) → 21 vs 8
2. Convert to Common Denominator (28): 3/4 = 21/28; 2/7 = 8/28
3. Comparison: 3/4 > 2/7 ✅

3. $\frac{4}{8} __ \frac{2}{3}$ = <

1. Cross-Multiply (Butterfly Method): (4 × 3) vs (2 × 8) → 12 vs 16
2. Convert to Common Denominator (24): 4/8 = 12/24; 2/3 = 16/24
3. Comparison: 4/8 < 2/3 ✅

4. $\frac{3}{6} __ \frac{1}{10}$ = >

1. Cross-Multiply (Butterfly Method): (3 × 10) vs (1 × 6) → 30 vs 6
2. Convert to Common Denominator (30): 3/6 = 15/30; 1/10 = 3/30
3. Comparison: 3/6 > 1/10 ✅

5. $\frac{1}{2} __ \frac{1}{7}$ = >

1. Cross-Multiply (Butterfly Method): (1 × 7) vs (1 × 2) → 7 vs 2
2. Convert to Common Denominator (14): 1/2 = 7/14; 1/7 = 2/14
3. Comparison: 1/2 > 1/7 ✅

6. $\frac{2}{6} __ \frac{3}{5}$ = <

1. Cross-Multiply (Butterfly Method): (2 × 5) vs (3 × 6) → 10 vs 18
2. Convert to Common Denominator (30): 2/6 = 10/30; 3/5 = 18/30
3. Comparison: 2/6 < 3/5 ✅

7. $\frac{1}{2} __ \frac{1}{2}$ = =

1. Cross-Multiply (Butterfly Method): (1 × 2) vs (1 × 2) → 2 vs 2
2. Convert to Common Denominator (2): 1/2 = 1/2; 1/2 = 1/2
3. Comparison: 1/2 = 1/2 ✅

8. $\frac{5}{7} __ \frac{6}{8}$ = <

1. Cross-Multiply (Butterfly Method): (5 × 8) vs (6 × 7) → 40 vs 42
2. Convert to Common Denominator (56): 5/7 = 40/56; 6/8 = 42/56
3. Comparison: 5/7 < 6/8 ✅

9. $\frac{6}{10} __ \frac{1}{10}$ = >

1. Cross-Multiply (Butterfly Method): (6 × 10) vs (1 × 10) → 60 vs 10
2. Convert to Common Denominator (10): 6/10 = 6/10; 1/10 = 1/10
3. Comparison: 6/10 > 1/10 ✅

10. $\frac{2}{7} __ \frac{1}{3}$ = <

1. Cross-Multiply (Butterfly Method): (2 × 3) vs (1 × 7) → 6 vs 7
2. Convert to Common Denominator (21): 2/7 = 6/21; 1/3 = 7/21
3. Comparison: 2/7 < 1/3 ✅

Name: _____
Date: _____ Score: ___ / 10

1. $\frac{8}{9} + \frac{5}{8}$ = _____

2. $\frac{4}{6} + \frac{2}{7}$ = _____

WORKSPACE:

WORKSPACE:

3. $\frac{3}{8} + \frac{3}{7}$ = _____

4. $\frac{2}{6} + \frac{2}{3}$ = _____

WORKSPACE:

WORKSPACE:

5. $\frac{3}{6} + \frac{1}{10}$ = _____

6. $\frac{1}{6} + \frac{5}{10}$ = _____

WORKSPACE:

WORKSPACE:

7. $\frac{1}{5} + \frac{1}{4}$ = _____

8. $\frac{1}{4} + \frac{8}{10}$ = _____

WORKSPACE:

WORKSPACE:

9. $\frac{3}{5} + \frac{1}{3}$ = _____

10. $\frac{4}{9} + \frac{1}{6}$ = _____

WORKSPACE:

WORKSPACE:

1. $\frac{8}{9} + \frac{5}{8}$ = 109/72

1. Find Least Common Denominator (LCD) of 9 and 8: LCD = 72
2. Convert to Equivalent Fractions: 8/9 = 64/72 and 5/8 = 45/72
3. Add Numerators: (64 + 45) / 72 = 109/72

2. $\frac{4}{6} + \frac{2}{7}$ = 20/21

1. Find Least Common Denominator (LCD) of 6 and 7: LCD = 42
2. Convert to Equivalent Fractions: 4/6 = 28/42 and 2/7 = 12/42
3. Add Numerators: (28 + 12) / 42 = 40/42
4. Simplify to Lowest Terms: 20/21

3. $\frac{3}{8} + \frac{3}{7}$ = 45/56

1. Find Least Common Denominator (LCD) of 8 and 7: LCD = 56
2. Convert to Equivalent Fractions: 3/8 = 21/56 and 3/7 = 24/56
3. Add Numerators: (21 + 24) / 56 = 45/56

4. $\frac{2}{6} + \frac{2}{3}$ = 1

1. Find Least Common Denominator (LCD) of 6 and 3: LCD = 6
2. Convert to Equivalent Fractions: 2/6 = 2/6 and 2/3 = 4/6
3. Add Numerators: (2 + 4) / 6 = 6/6
4. Simplify to Lowest Terms: 1

5. $\frac{3}{6} + \frac{1}{10}$ = 3/5

1. Find Least Common Denominator (LCD) of 6 and 10: LCD = 30
2. Convert to Equivalent Fractions: 3/6 = 15/30 and 1/10 = 3/30
3. Add Numerators: (15 + 3) / 30 = 18/30
4. Simplify to Lowest Terms: 3/5

6. $\frac{1}{6} + \frac{5}{10}$ = 2/3

1. Find Least Common Denominator (LCD) of 6 and 10: LCD = 30
2. Convert to Equivalent Fractions: 1/6 = 5/30 and 5/10 = 15/30
3. Add Numerators: (5 + 15) / 30 = 20/30
4. Simplify to Lowest Terms: 2/3

7. $\frac{1}{5} + \frac{1}{4}$ = 9/20

1. Find Least Common Denominator (LCD) of 5 and 4: LCD = 20
2. Convert to Equivalent Fractions: 1/5 = 4/20 and 1/4 = 5/20
3. Add Numerators: (4 + 5) / 20 = 9/20

8. $\frac{1}{4} + \frac{8}{10}$ = 21/20

1. Find Least Common Denominator (LCD) of 4 and 10: LCD = 20
2. Convert to Equivalent Fractions: 1/4 = 5/20 and 8/10 = 16/20
3. Add Numerators: (5 + 16) / 20 = 21/20

9. $\frac{3}{5} + \frac{1}{3}$ = 14/15

1. Find Least Common Denominator (LCD) of 5 and 3: LCD = 15
2. Convert to Equivalent Fractions: 3/5 = 9/15 and 1/3 =

10. $\frac{4}{9} + \frac{1}{6}$ = 11/18

1. Find Least Common Denominator (LCD) of 9 and 6: LCD = 18
2. Convert to Equivalent Fractions: 4/9 = 8/18 and 1/6 =