Name: _____
Date: _____ Score: ___ / 10

1
$$\begin{array}{r} 20{,}552 \\ +\ 23{,}992 \\ \hline \end{array}$$

2
$$\begin{array}{r} 4{,}685 \\ +\ 6{,}708 \\ \hline \end{array}$$

3
$$\begin{array}{r} 73{,}619 \\ +\ 20{,}524 \\ \hline \end{array}$$

4
$$\begin{array}{r} 7{,}763 \\ +\ 5{,}983 \\ \hline \end{array}$$

5
$$\begin{array}{r} 36{,}871 \\ +\ 20{,}449 \\ \hline \end{array}$$

6
$$\begin{array}{r} 3{,}508 \\ +\ 5{,}393 \\ \hline \end{array}$$

7
$$\begin{array}{r} 41{,}646 \\ +\ 39{,}817 \\ \hline \end{array}$$

8
$$\begin{array}{r} 7{,}802 \\ +\ 6{,}707 \\ \hline \end{array}$$

9
$$\begin{array}{r} 68{,}581 \\ +\ 17{,}872 \\ \hline \end{array}$$

10
$$\begin{array}{r} 7{,}912 \\ +\ 5{,}658 \\ \hline \end{array}$$

1

$$\begin{array}{r} 20{,}552 \\ +\ 23{,}992 \\ \hline 44{,}544 \end{array}$$

Ones: 2 + 2 = 4 → Write 4
Tens: 5 + 9 = 14 → Write 4, Carry 1
Hundreds: 1 + 5 + 9 = 15 → Write 5, Carry 1
Thousands: 1 + 0 + 3 = 4 → Write 4
Ten-Thousands: 2 + 2 = 4 → Write 4

2

$$\begin{array}{r} 4{,}685 \\ +\ 6{,}708 \\ \hline 11{,}393 \end{array}$$

Ones: 5 + 8 = 13 → Write 3, Carry 1
Tens: 1 + 8 + 0 = 9 → Write 9
Hundreds: 6 + 7 = 13 → Write 3, Carry 1
Thousands: 1 + 4 + 6 = 11 → Write 1, Carry 1
Bring Down: Carry 1 to Ten-Thousands

3

$$\begin{array}{r} 73{,}619 \\ +\ 20{,}524 \\ \hline 94{,}143 \end{array}$$

Ones: 9 + 4 = 13 → Write 3, Carry 1
Tens: 1 + 1 + 2 = 4 → Write 4
Hundreds: 6 + 5 = 11 → Write 1, Carry 1
Thousands: 1 + 3 + 0 = 4 → Write 4
Ten-Thousands: 7 + 2 = 9 → Write 9

4

$$\begin{array}{r} 7{,}763 \\ +\ 5{,}983 \\ \hline 13{,}746 \end{array}$$

Ones: 3 + 3 = 6 → Write 6
Tens: 6 + 8 = 14 → Write 4, Carry 1
Hundreds: 1 + 7 + 9 = 17 → Write 7, Carry 1
Thousands: 1 + 7 + 5 = 13 → Write 3, Carry 1
Bring Down: Carry 1 to Ten-Thousands

5

$$\begin{array}{r} 36{,}871 \\ +\ 20{,}449 \\ \hline 57{,}320 \end{array}$$

Ones: 1 + 9 = 10 → Write 0, Carry 1
Tens: 1 + 7 + 4 = 12 → Write 2, Carry 1
Hundreds: 1 + 8 + 4 = 13 → Write 3, Carry 1
Thousands: 1 + 6 + 0 = 7 → Write 7
Ten-Thousands: 3 + 2 = 5 → Write 5

6

$$\begin{array}{r} 3{,}508 \\ +\ 5{,}393 \\ \hline 8{,}901 \end{array}$$

Ones: 8 + 3 = 11 → Write 1, Carry 1
Tens: 1 + 0 + 9 = 10 → Write 0, Carry 1
Hundreds: 1 + 5 + 3 = 9 → Write 9
Thousands: 3 + 5 = 8 → Write 8

7

$$\begin{array}{r} 41{,}646 \\ +\ 39{,}817 \\ \hline 81{,}463 \end{array}$$

Ones: 6 + 7 = 13 → Write 3, Carry 1
Tens: 1 + 4 + 1 = 6 → Write 6
Hundreds: 6 + 8 = 14 → Write 4, Carry 1
Thousands: 1 + 1 + 9 = 11 → Write 1, Carry 1
Ten-Thousands: 1 + 4 + 3 = 8 → Write 8

8

$$\begin{array}{r} 7{,}802 \\ +\ 6{,}707 \\ \hline 14{,}509 \end{array}$$

Ones: 2 + 7 = 9 → Write 9
Tens: 0 + 0 = 0 → Write 0
Hundreds: 8 + 7 = 15 → Write 5, Carry 1
Thousands: 1 + 7 + 6 = 14 → Write 4, Carry 1
Bring Down: Carry 1 to Ten-Thousands

9

$$\begin{array}{r} 68{,}581 \\ +\ 17{,}872 \\ \hline 86{,}453 \end{array}$$

Ones: 1 + 2 = 3 → Write 3
Tens: 8 + 7 = 15 → Write 5, Carry 1
Hundreds: 1 + 5 + 8 = 14 → Write 4, Carry 1
Thousands: 1 + 8 + 7 = 16 → Write 6, Carry 1
Ten-Thousands: 1 + 6 + 1 = 8 → Write 8

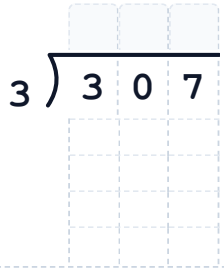
10

$$\begin{array}{r} 7{,}912 \\ +\ 5{,}658 \\ \hline 13{,}570 \end{array}$$

Ones: 2 + 8 = 10 → Write 0, Carry 1
Tens: 1 + 1 + 5 = 7 → Write 7
Hundreds: 9 + 6 = 15 → Write 5, Carry 1
Thousands: 1 + 7 + 5 = 13 → Write 3, Carry 1
Bring Down: Carry 1 to Ten-Thousands

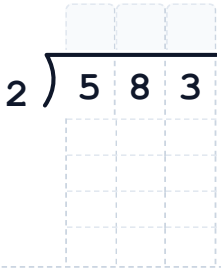
Name: _____
Date: _____ Score: ___ / 6

1.



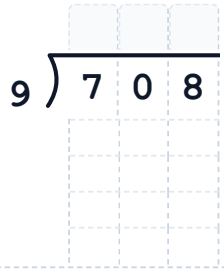
Quotient: _____

2.



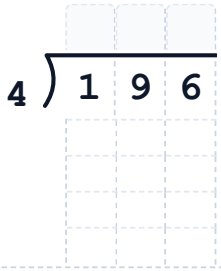
Quotient: _____

3.



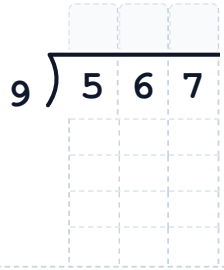
Quotient: _____

4.



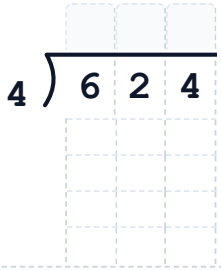
Quotient: _____

5.



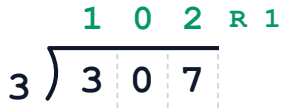
Quotient: _____

6.



Quotient: _____

1.

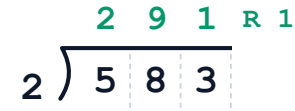


Quotient: **102 R 1**

1. Divide 3 ÷ 3 = 1 (1 × 3 = 3), Subtract 3 - 3 = 0, Bring down 0 → 0
2. Divide 0 ÷ 3 = 0 (0 × 3 = 0), Subtract 0 - 0 = 0, Bring down 7 → 7
3. Divide 7 ÷ 3 = 2 (2 × 3 = 6), Remainder = 1

Final Quotient: 102 R 1 (Check: 102 × 3 + 1 = 307) ✅

2.

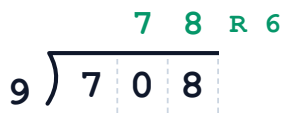


Quotient: **291 R 1**

1. Divide 5 ÷ 2 = 2 (2 × 2 = 4), Subtract 5 - 4 = 1, Bring down 8 → 18
2. Divide 18 ÷ 2 = 9 (9 × 2 = 18), Subtract 18 - 18 = 0, Bring down 3 → 3
3. Divide 3 ÷ 2 = 1 (1 × 2 = 2), Remainder = 1

Final Quotient: 291 R 1 (Check: 291 × 2 + 1 = 583) ✅

3.



Quotient: **78 R 6**

1. Divide 70 ÷ 9 = 7 (7 × 9 = 63), Subtract 70 - 63 = 7, Bring down 8 → 78
2. Divide 78 ÷ 9 = 8 (8 × 9 = 72), Remainder = 6

Final Quotient: 78 R 6 (Check: 78 × 9 + 6 = 708) ✅

4.

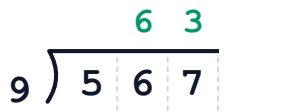


Quotient: **49**

1. Divide 19 ÷ 4 = 4 (4 × 4 = 16), Subtract 19 - 16 = 3, Bring down 6 → 36
2. Divide 36 ÷ 4 = 9 (9 × 4 = 36), Remainder = 0

Final Quotient: 49 (Check: 49 × 4 = 196) ✅

5.

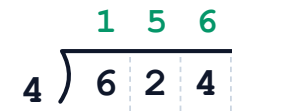


Quotient: **63**

1. Divide 56 ÷ 9 = 6 (6 × 9 = 54), Subtract 56 - 54 = 2, Bring down 7 → 27
2. Divide 27 ÷ 9 = 3 (3 × 9 = 27), Remainder = 0

Final Quotient: 63 (Check: 63 × 9 = 567) ✅

6.



Quotient: **156**

1. Divide 6 ÷ 4 = 1 (1 × 4 = 4), Subtract 6 - 4 = 2, Bring down 2 → 22
2. Divide 22 ÷ 4 = 5 (5 × 4 = 20), Subtract 22 - 20 = 2, Bring down 4 → 24
3. Divide 24 ÷ 4 = 6 (6 × 4 = 24), Remainder = 0

Final Quotient: 156 (Check: 156 × 4 = 624) ✅

Name: _____
Date: _____ Score: ___ / 10

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

WORKSPACE:

2. $\frac{4}{9}$ ___ $\frac{1}{4}$ = _____

WORKSPACE:

3. $\frac{1}{5}$ ___ $\frac{4}{8}$ = _____

WORKSPACE:

4. $\frac{7}{10}$ ___ $\frac{3}{5}$ = _____

WORKSPACE:

5. $\frac{3}{5}$ ___ $\frac{1}{4}$ = _____

WORKSPACE:

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

WORKSPACE:

7. $\frac{1}{3}$ ___ $\frac{2}{8}$ = _____

WORKSPACE:

8. $\frac{3}{5}$ ___ $\frac{1}{2}$ = _____

WORKSPACE:

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

WORKSPACE:

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

WORKSPACE:

1. $\frac{4}{10} \_\_ \frac{3}{4}$ = <

1. Cross-Multiply (Butterfly Method): (4 × 4) vs (3 × 10) → 16 vs 30
2. Convert to Common Denominator (20): 4/10 = 8/20; 3/4 = 15/20
3. Comparison: 4/10 < 3/4 ✅

2. $\frac{4}{9} \_\_ \frac{1}{4}$ = >

1. Cross-Multiply (Butterfly Method): (4 × 4) vs (1 × 9) → 16 vs 9
2. Convert to Common Denominator (36): 4/9 = 16/36; 1/4 = 9/36
3. Comparison: 4/9 > 1/4 ✅

3. $\frac{1}{5} \_\_ \frac{4}{8}$ = <

1. Cross-Multiply (Butterfly Method): (1 × 8) vs (4 × 5) → 8 vs 20
2. Convert to Common Denominator (40): 1/5 = 8/40; 4/8 = 20/40
3. Comparison: 1/5 < 4/8 ✅

4. $\frac{7}{10} \_\_ \frac{3}{5}$ = >

1. Cross-Multiply (Butterfly Method): (7 × 5) vs (3 × 10) → 35 vs 30
2. Convert to Common Denominator (10): 7/10 = 7/10; 3/5 = 6/10
3. Comparison: 7/10 > 3/5 ✅

5. $\frac{3}{5} \_\_ \frac{1}{4}$ = >

1. Cross-Multiply (Butterfly Method): (3 × 4) vs (1 × 5) → 12 vs 5
2. Convert to Common Denominator (20): 3/5 = 12/20; 1/4 = 5/20
3. Comparison: 3/5 > 1/4 ✅

6. $\frac{1}{10} \_\_ \frac{1}{2}$ = <

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

7. $\frac{1}{3} \_\_ \frac{2}{8}$ = >

1. Cross-Multiply (Butterfly Method): (1 × 8) vs (2 × 3) → 8 vs 6
2. Convert to Common Denominator (24): 1/3 = 8/24; 2/8 = 6/24
3. Comparison: 1/3 > 2/8 ✅

8. $\frac{3}{5} \_\_ \frac{1}{2}$ = >

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

9. $\frac{1}{3} \_\_ \frac{1}{4}$ = >

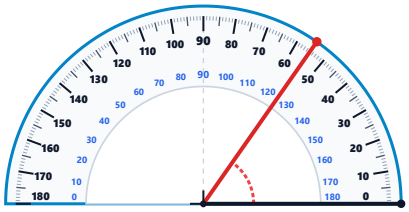
1. Cross-Multiply (Butterfly Method): (1 × 4) vs (1 × 3) → 4 vs 3
2. Convert to Common Denominator (12): 1/3 = 4/12; 1/4 = 3/12
3. Comparison: 1/3 > 1/4 ✅

10. $\frac{1}{2} \_\_ \frac{1}{3}$ = >

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

Name: _____
Date: _____ Score: ___ / 6

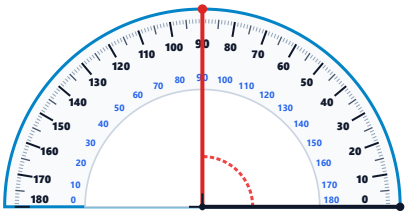
1. Protractor Measure



Measure angle opening right (0° on base):

Measure: _____ °

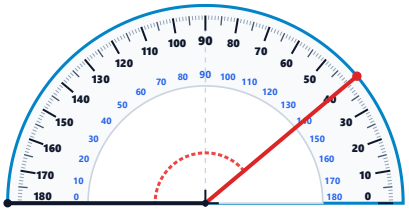
2. Protractor Measure



Measure angle opening right (0° on base):

Measure: _____ °

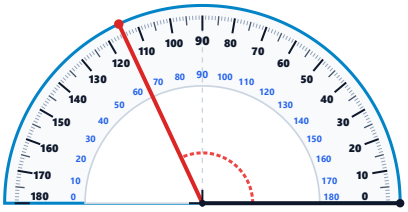
3. Protractor Measure



Measure angle opening left (0° on base):

Measure: _____ °

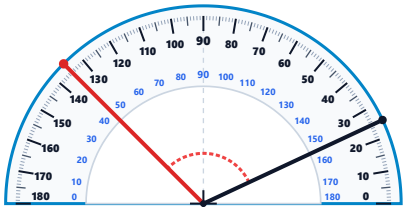
4. Protractor Measure



Measure angle opening right (0° on base):

Measure: _____ °

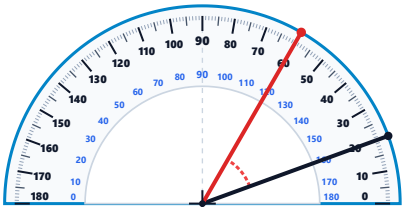
5. Protractor Measure



Find angle measure between 25° and 135° on protractor:

Measure: _____ °

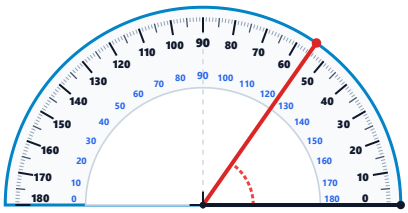
6. Protractor Measure



Find angle measure between 20° and 60° on protractor:

Measure: _____ °

1. Protractor Measure

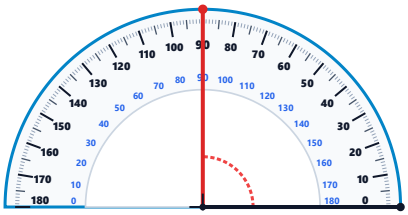


Measure angle opening right (0° on base):

Answer: 55°

1. Baseline ray aligns with 0° (outer scale).
2. Terminal ray aligns with: 55° mark.
3. Angle Measure = 55° (Acute Angle) ✅

2. Protractor Measure

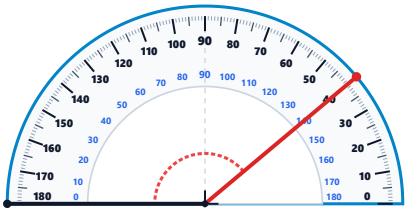


Measure angle opening right (0° on base):

Answer: 90°

1. Baseline ray aligns with 0° (outer scale).
2. Terminal ray aligns with: 90° mark.
3. Angle Measure = 90° (Right Angle) ✅

3. Protractor Measure

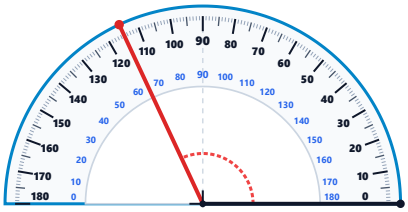


Measure angle opening left (0° on base):

Answer: 140°

1. Baseline ray aligns with 0° (inner scale).
2. Terminal ray aligns with: 140° mark.
3. Angle Measure = 140° (Obtuse Angle) ✅

4. Protractor Measure

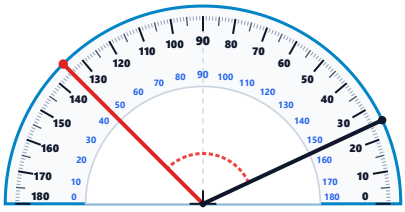


Measure angle opening right (0° on base):

Answer: 115°

1. Baseline ray aligns with 0° (outer scale).
2. Terminal ray aligns with: 115° mark.
3. Angle Measure = 115° (Obtuse Angle) ✅

5. Protractor Measure

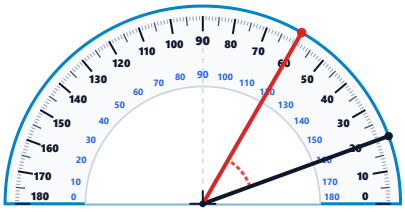


Find angle measure between 25° and 135° on protractor:

Answer: 110°

1. Ray 1 passes through: 25°
2. Ray 2 passes through: 135°
3. Angle Measure = 135° - 25° = 110° (Obtuse Angle) ✅

6. Protractor Measure



Find angle measure between 20° and 60° on protractor:

Answer: 40°

1. Ray 1 passes through: 20°
2. Ray 2 passes through: 60°
3. Angle Measure = 60° - 20° = 40° (Acute Angle) ✅