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Integers Within 10 Worksheet Generator with Answers (Adding & Subtracting ±10)

Name: _____

Date: _____ Score: ___ / 10

1. **5 + 6** = _____

2. **3 + (-10)** = _____

WORKSPACE:

3. **-9 + (-5)** = _____

WORKSPACE:

4. **4 − 3** = _____

WORKSPACE:

5. **-1 + 10** = _____

WORKSPACE:

6. **-8 − (-9)** = _____

WORKSPACE:

7. **9 + 1** = _____

WORKSPACE:

8. **3 + (-4)** = _____

WORKSPACE:

9. **5 + (-5)** = _____

WORKSPACE:

10. **10 − 3** = _____

WORKSPACE:

Answer Key • Integers Within 10 Worksheet Generator with Answers (Adding & Subtracting ±10)

1. **5 + 6** = 11

1. Same Signs Rule (Positive + Positive): Add absolute values |5| + |6| = 11
2. Keep the Common Sign: Positive (+)
3. Result: 5 + 6 = 11 ✅

2. **3 + (-10)** = -7

1. Different Signs Rule: Subtract smaller absolute value from larger |3| − |10| = 7
2. Take Sign of Larger Magnitude: |-10| is larger (Negative (−))
3. Result: 3 + (-10) = -7 ✅

3. **-9 + (-5)** = -14

1. Same Signs Rule (Negative + Negative): Add absolute values |-9| + |-5| = 14
2. Keep the Common Sign: Negative (−)
3. Result: (-9) + (-5) = -14 ✅

4. **4 − 3** = 1

1. Rewrite Subtraction as Adding the Opposite: 4 − 3 = 4 + (-3)
2. Apply Integer Addition Rules: |4| with |-3|
3. Result: 4 − 3 = 1 ✅

5. **-1 + 10** = 9

1. Different Signs Rule: Subtract smaller absolute value from larger |1| − |10| = 9
2. Take Sign of Larger Magnitude: |10| is larger (Positive (+))
3. Result: (-1) + 10 = 9 ✅

6. **-8 − (-9)** = 1

1. Rewrite Subtraction as Adding the Opposite: (-8) − (-9) = (-8) + 9
2. Apply Integer Addition Rules: |-8| with |9|
3. Result: (-8) − (-9) = 1 ✅

7. **9 + 1** = 10

1. Same Signs Rule (Positive + Positive): Add absolute values |9| + |1| = 10
2. Keep the Common Sign: Positive (+)
3. Result: 9 + 1 = 10 ✅

8. **3 + (-4)** = -1

1. Different Signs Rule: Subtract smaller absolute value from larger |3| − |4| = 1
2. Take Sign of Larger Magnitude: |-4| is larger (Negative (−))
3. Result: 3 + (-4) = -1 ✅

9. **5 + (-5)** = 0

1. Different Signs Rule: Subtract smaller absolute value from larger |5| − |5| = 0
2. Take Sign of Larger Magnitude: |5| is larger (Positive (+))
3. Result: 5 + (-5) = 0 ✅

10. **10 − 3** = 7

1. Rewrite Subtraction as Adding the Opposite: 10 − 3 = 10 + (-3)
2. Apply Integer Addition Rules: |10| with |-3|
3. Result: 10 − 3 = 7 ✅

Name: _____
Date: _____ Score: ___ / 10

1. **4 + 17** = _____

2. **-18 − (-1)** = _____

WORKSPACE:

3. **-6 − (-3)** = _____

WORKSPACE:

4. **1 − (-14)** = _____

WORKSPACE:

5. **10 − (-2)** = _____

WORKSPACE:

6. **-4 − 11** = _____

WORKSPACE:

7. **-14 + 5** = _____

WORKSPACE:

8. **-20 + (-6)** = _____

WORKSPACE:

9. **-16 + 12** = _____

WORKSPACE:

10. **16 − 13** = _____

WORKSPACE:

Answer Key • Integers Within 20 Worksheet Generator with Answers (Adding & Subtracting ±20)

1. **4 + 17** = 21

1. Same Signs Rule (Positive + Positive): Add absolute values |4| + |17| = 21
2. Keep the Common Sign: Positive (+)
3. Result: 4 + 17 = 21 ✅

2. **-18 − (-1)** = -17

1. Rewrite Subtraction as Adding the Opposite: (-18) − (-1) = (-18) + 1
2. Apply Integer Addition Rules: |-18| with |1|
3. Result: (-18) − (-1) = -17 ✅

3. **-6 − (-3)** = -3

1. Rewrite Subtraction as Adding the Opposite: (-6) − (-3) = (-6) + 3
2. Apply Integer Addition Rules: |-6| with |3|
3. Result: (-6) − (-3) = -3 ✅

4. **1 − (-14)** = 15

1. Rewrite Subtraction as Adding the Opposite: 1 − (-14) = 1 + 14
2. Apply Integer Addition Rules: |1| with |14|
3. Result: 1 − (-14) = 15 ✅

5. **10 − (-2)** = 12

1. Rewrite Subtraction as Adding the Opposite: 10 − (-2) = 10 + 2
2. Apply Integer Addition Rules: |10| with |2|
3. Result: 10 − (-2) = 12 ✅

6. **-4 − 11** = -15

1. Rewrite Subtraction as Adding the Opposite: (-4) − 11 = (-4) + (-11)
2. Apply Integer Addition Rules: |-4| with |-11|
3. Result: (-4) − 11 = -15 ✅

7. **-14 + 5** = -9

1. Different Signs Rule: Subtract smaller absolute value from larger |14| − |5| = 9
2. Take Sign of Larger Magnitude: |-14| is larger (Negative (−))
3. Result: (-14) + 5 = -9 ✅

8. **-20 + (-6)** = -26

1. Same Signs Rule (Negative + Negative): Add absolute values |-20| + |-6| = 26
2. Keep the Common Sign: Negative (−)
3. Result: (-20) + (-6) = -26 ✅

9. **-16 + 12** = -4

1. Different Signs Rule: Subtract smaller absolute value from larger |16| − |12| = 4
2. Take Sign of Larger Magnitude: |-16| is larger (Negative (−))
3. Result: (-16) + 12 = -4 ✅

10. **16 − 13** = 3

1. Rewrite Subtraction as Adding the Opposite: 16 − 13 = 16 + (-13)
2. Apply Integer Addition Rules: |16| with |-13|
3. Result: 16 − 13 = 3 ✅

Name: _____
Date: _____ Score: ___ / 10

1. **3 + (-14)** = _____

2. **4 + 14** = _____

WORKSPACE:

WORKSPACE:

3. **11 + (-19)** = _____

4. **-5 + (-13)** = _____

WORKSPACE:

WORKSPACE:

5. **9 + (-10)** = _____

6. **19 + 10** = _____

WORKSPACE:

WORKSPACE:

7. **-14 − 11** = _____

8. **-5 + 19** = _____

WORKSPACE:

WORKSPACE:

9. **12 + 20** = _____

10. **15 + 18** = _____

WORKSPACE:

WORKSPACE:

Answer Key • Adding and Subtracting Integers Worksheet Generator with Answers (±50 Range)

1. **3 + (-14)** = -11

1. Different Signs Rule: Subtract smaller absolute value from larger |3| - |14| = 11
2. Take Sign of Larger Magnitude: |-14| is larger (Negative (-))
3. Result: 3 + (-14) = -11 ✅

2. **4 + 14** = 18

1. Same Signs Rule (Positive + Positive): Add absolute values |4| + |14| = 18
2. Keep the Common Sign: Positive (+)
3. Result: 4 + 14 = 18 ✅

3. **11 + (-19)** = -8

1. Different Signs Rule: Subtract smaller absolute value from larger |11| - |19| = 8
2. Take Sign of Larger Magnitude: |-19| is larger (Negative (-))
3. Result: 11 + (-19) = -8 ✅

4. **-5 + (-13)** = -18

1. Same Signs Rule (Negative + Negative): Add absolute values |-5| + |-13| = 18
2. Keep the Common Sign: Negative (-)
3. Result: (-5) + (-13) = -18 ✅

5. **9 + (-10)** = -1

1. Different Signs Rule: Subtract smaller absolute value from larger |9| - |10| = 1
2. Take Sign of Larger Magnitude: |-10| is larger (Negative (-))
3. Result: 9 + (-10) = -1 ✅

6. **19 + 10** = 29

1. Same Signs Rule (Positive + Positive): Add absolute values |19| + |10| = 29
2. Keep the Common Sign: Positive (+)
3. Result: 19 + 10 = 29 ✅

7. **-14 − 11** = -25

1. Rewrite Subtraction as Adding the Opposite: (-14) - 11 = (-14) + (-11)
2. Apply Integer Addition Rules: |-14| with |-11|
3. Result: (-14) - 11 = -25 ✅

8. **-5 + 19** = 14

1. Different Signs Rule: Subtract smaller absolute value from larger |5| - |19| = 14
2. Take Sign of Larger Magnitude: |19| is larger (Positive (+))
3. Result: (-5) + 19 = 14 ✅

9. **12 + 20** = 32

1. Same Signs Rule (Positive + Positive): Add absolute values |12| + |20| = 32
2. Keep the Common Sign: Positive (+)
3. Result: 12 + 20 = 32 ✅

10. **15 + 18** = 33

1. Same Signs Rule (Positive + Positive): Add absolute values |15| + |18| = 33
2. Keep the Common Sign: Positive (+)
3. Result: 15 + 18 = 33 ✅

Name: _____
Date: _____ Score: ___ / 10

1. **-1 × (-7)** = _____

2. **-6 ÷ (-6)** = _____

WORKSPACE:

3. **10 × (-8)** = _____

WORKSPACE:

4. **-35 ÷ (-7)** = _____

WORKSPACE:

5. **-54 ÷ 9** = _____

WORKSPACE:

6. **9 × 1** = _____

WORKSPACE:

7. **-27 ÷ 9** = _____

WORKSPACE:

8. **-8 × 4** = _____

WORKSPACE:

9. **4 ÷ 1** = _____

WORKSPACE:

10. **99 ÷ 11** = _____

WORKSPACE:

1. **-1 × (-7)** = 7

1. Sign Rule: Same signs (negative × negative) ➔ Result is POSITIVE (+)
2. Multiply Absolute Values: |-1| × |-7| = 1 × 7 = 7
3. Apply Sign: -1 × (-7) = 7 ✅

2. **-6 ÷ (-6)** = 1

1. Sign Rule: Same signs (negative ÷ negative) ➔ Result is POSITIVE (+)
2. Divide Absolute Values: |-6| ÷ |-6| = 6 ÷ 6 = 1
3. Apply Sign: -6 ÷ (-6) = 1 ✅

3. **10 × (-8)** = -80

1. Sign Rule: Different signs (positive × negative) ➔ Result is NEGATIVE (−)
2. Multiply Absolute Values: |10| × |-8| = 10 × 8 = 80
3. Apply Sign: 10 × (-8) = -80 ✅

4. **-35 ÷ (-7)** = 5

1. Sign Rule: Same signs (negative ÷ negative) ➔ Result is POSITIVE (+)
2. Divide Absolute Values: |-35| ÷ |-7| = 35 ÷ 7 = 5
3. Apply Sign: -35 ÷ (-7) = 5 ✅

5. **-54 ÷ 9** = -6

1. Sign Rule: Different signs (negative ÷ positive) ➔ Result is NEGATIVE (−)
2. Divide Absolute Values: |-54| ÷ |9| = 54 ÷ 9 = 6
3. Apply Sign: -54 ÷ 9 = -6 ✅

6. **9 × 1** = 9

1. Sign Rule: Same signs (positive × positive) ➔ Result is POSITIVE (+)
2. Multiply Absolute Values: |9| × |1| = 9 × 1 = 9
3. Apply Sign: 9 × 1 = 9 ✅

7. **-27 ÷ 9** = -3

1. Sign Rule: Different signs (negative ÷ positive) ➔ Result is NEGATIVE (−)
2. Divide Absolute Values: |-27| ÷ |9| = 27 ÷ 9 = 3
3. Apply Sign: -27 ÷ 9 = -3 ✅

8. **-8 × 4** = -32

1. Sign Rule: Different signs (negative × positive) ➔ Result is NEGATIVE (−)
2. Multiply Absolute Values: |-8| × |4| = 8 × 4 = 32
3. Apply Sign: -8 × 4 = -32 ✅

9. **4 ÷ 1** = 4

1. Sign Rule: Same signs (positive ÷ positive) ➔ Result is POSITIVE (+)
2. Divide Absolute Values: |4| ÷ |1| = 4 ÷ 1 = 4
3. Apply Sign: 4 ÷ 1 = 4 ✅

10. **99 ÷ 11** = 9

1. Sign Rule: Same signs (positive ÷ positive) ➔ Result is POSITIVE (+)
2. Divide Absolute Values: |99| ÷ |11| = 99 ÷ 11 = 9
3. Apply Sign: 99 ÷ 11 = 9 ✅