



Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

## Math Worksheet for 6th Grade

### Finding mistakes in one-step equations

Answers (number: mistake → correct solution)

- 1: Mistake — added instead of subtracting. Correct:  $x = 13 - 7 = 6$ .
- 2: Mistake — subtracted when you should add 4. Correct:  $y = 9 + 4 = 13$ .
- 3: Mistake — added instead of dividing. Correct:  $x = 20 \div 5 = 4$ .
- 4: Mistake — divided instead of multiplied. Correct:  $z = 5 \times 3 = 15$ .
- 5: Mistake — subtracted 6; sign error. Correct:  $x = 2 + 6 = 8$ .
- 6: Mistake — treated expression wrongly; you should add 3 to 10. Correct:  $x = 10 + 3 = 13$ .
- 7: Mistake — subtracted 2 instead of adding; isolate t by adding 2. Correct:  $t = 6 + 2 = 8$ .
- 8: Mistake — multiplied instead of dividing. Correct:  $p = 16 \div 4 = 4$ .
- 9: Mistake — divided instead of multiplying. Correct:  $q = 3 \times 5 = 15$ .
- 10: Mistake — set  $x = 0$  incorrectly. Correct:  $x = 9$ .
- 11: Mistake — multiplied instead of dividing. Correct:  $m = 8 \div (-2) = -4$ .
- 12: Mistake — subtracted 7 instead of adding 7. Correct:  $a = -2 + 7 = 5$ .
- 13: Mistake — added instead of subtracting 3. Correct:  $b = 9 - 3 = 6$ .
- 14: Mistake — divided instead of multiplying. Correct:  $d = -3 \times 4 = -12$ .
- 15: Mistake — computed  $10 - (-5)$  incorrectly; sign error. Correct:  $x = 10 + 5 = 15$ .
- 16: Mistake — added instead of dividing. Correct:  $y = 8 \div 2 = 4$ .
- 17: Mistake — added 3 instead of subtracting 3. Correct:  $n = -5 - 3 = -8$ .
- 18: Mistake — subtracted instead of dividing. Correct:  $k = 10 \div 5 = 2$ .
- 19: Mistake — inverted the operation. Correct:  $p = 7 \times 2 = 14$ .
- 20: Mistake — added instead of subtracting 3. Correct:  $x = -2 - 3 = -5$ .
- 21: Mistake — subtracted 6 instead of adding 6. Correct:  $x = -4 + 6 = 2$ .
- 22: Mistake — added instead of subtracting 5. Correct:  $m = 5 - 5 = 0$ .
- 23: Mistake — multiplied instead of dividing. Correct:  $n = -18 \div (-6) = 3$ .
- 24: Mistake — added 3 instead of multiplying by 3. Correct:  $k = -2 \times 3 = -6$ .
- 25: Mistake — multiplied instead of subtracting. Correct:  $x = 14 - 8 = 6$ .
- 26: Mistake — added 1 incorrectly. Correct:  $x = 6$  (dividing by 1 does nothing).
- 27: Mistake — subtracted instead of adding 9. Correct:  $t = -4 + 9 = 5$ .
- 28: Mistake — added instead of dividing. Correct:  $u = -9 \div 3 = -3$ .
- 29: Mistake — divided instead of multiplying. Correct:  $w = 4 \times 2 = 8$ .
- 30: Mistake — set  $v = 0$  incorrectly. Correct:  $v = -7$ .
- 31: Mistake — divided instead of multiplying. Correct:  $x = -2 \times 5 = -10$ .



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- 32: Mistake — added 0 incorrectly. Correct:  $m = 0 - 7 = -7$ .
- 33: Mistake — sign error:  $12 \div (-4) = -3$ , not 3. Correct:  $y = -3$ .
- 34: Mistake — dropped the negative sign. Correct: from  $6 = -z \rightarrow z = -6$ .
- 35: Mistake — multiplied instead of subtracting 4. Correct:  $x = 4 - 4 = 0$ .
- 36: Mistake — solved wrong; any number times 9 equals 0 only if  $a = 0$ . Correct:  $a = 0$ .
- 37: Mistake — inverted division. Correct:  $b = 2 \times 10 = 20$ .
- 38: Mistake — subtracted instead of adding 7. Correct:  $x = -1 + 7 = 6$ .
- 39: Mistake — added instead of subtracting 3. Correct:  $c = 12 - 3 = 9$ .
- 40: Mistake — inverted the division. Correct:  $k = 1 \div 2 = 0.5$ .
- 41: Mistake — subtracted instead of adding 10. Correct:  $x = 5 + 10 = 15$ .
- 42: Mistake — incorrect rearrangement. Correct:  $-3 = 6 - y \rightarrow -9 = -y \rightarrow y = 9$ .
- 43: Mistake — multiplied instead of dividing. Correct:  $m = 15 \div (-5) = -3$ .
- 44: Mistake — inverted division. Correct:  $n = 0.5 \times 6 = 3$ .
- 45: Mistake — subtracted instead of adding 15. Correct:  $x = 20 + 15 = 35$ .
- 46: Mistake — added instead of dividing by 0.5 (or multiplying by 2). Correct:  $p = 4 \div 0.5 = 8$ .
- 47: Mistake — divided instead of multiplying. Correct:  $x = -1 \times 4 = -4$ .
- 48: Mistake — added 0 to -8 instead of isolating  $y$  by adding 8. Correct:  $y = 8$ .
- 49: Mistake — multiplied instead of dividing. Correct:  $k = 11 \div 11 = 1$ .
- 50: Mistake — added instead of subtracting 3. Correct:  $x = 3 - 3 = 0$ .