

## Chapter 2 Section 6: Order of Operations with Integers

### Problems

*Simplify.*

1.  $14 - (-3^3)$

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2.  $9 + \frac{14}{-7}$

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3.  $23 + (11 - 17)$

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4.  $\frac{-20}{4} - (-2)^3$

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5.  $21 - 15 \div 5$

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6.  $\frac{16}{-2} - 6^2$

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7.  $-42 \div 2 \cdot (-4)$

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8.  $-10 + 4 - 3^2$

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9.  $10 - (15 - 7)^2$

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10.  $-14 + 8 - 18$

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11.  $4 + 3(8 - 6)^2$

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12.  $5 + \frac{-50}{10} - 6$

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13.  $-2 + 5(6 - 9)$

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14.  $7 - 9(-3 + 7)$

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15.  $-66 + 8 - 28 + 17 - 2$

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16.  $6(-3) + (-15) \div (-3)$

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17.  $2(6 + 2 \cdot 2)^2 - (-5)$

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18.  $-2(-3) - 12 \div 6 \cdot 3$

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*Simplify.*

19.  $\frac{22 + (-4)}{-4 - 5}$

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20.  $\frac{-34 + 14}{2 - 7}$

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21.  $\frac{-11^2 - (-1)}{-(32 - 40)}$

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22.  $\frac{(13 - 33) - (-7)}{11 - 4^2 + 4}$

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23.  $\frac{(-3)^3 - (-3)^2}{-2^3 - 2^2}$

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24.  $\frac{25 - 5^3}{-2(-3 + 8)}$

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25.  $\frac{4[8 - 2(5)]}{-(5) + (-7) + 4}$

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26.  $\frac{(-3)^2(5) + (-6)}{-6(3) + 5}$

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27.  $\frac{(-6)^2 - (4 - 12)}{-28 \div 2 + 3}$

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28.  $\frac{-1^3 + 4(10)}{9 + 2^2(-3)}$

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29.  $\frac{2(5)(4^3 - 38)}{15^2 \div 45}$

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30.  $\frac{-24 - 7(-4) + 11}{-(5 - 9) - (-3)^2}$

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