

Suggested Learning Activity:

Review Packet

Compute. Use order of operations. Show all work!

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|--|--|---|
| 1. $36 - 4 + \sqrt{25}$ (37) | 2. $8(3 + 7) - 5$ (75) | 3. $7(6) - 40 \div 5$ (34) |
| 4. $15 + 18 \div 3^2 - 6$ (11) | 5. $\sqrt{36} \div (15 - 9) 4$ (4) | 6. $(8 - 3)^2 \cdot (14 - 8)$ (150) |
| 7. $\frac{(12 - 5) \cdot 6}{7 - 4}$ (14) | 8. $\frac{80 \div (6 - 2)}{35 \div 7}$ (4) | 9. $2^4 \div [5^2 - (13 + 7)]$ ($3\frac{1}{5}$ or 3.2) |
| 10. $40 - 2(15)$ (10) | 11. $6(8 - 4) + 5$ (29) | 12. $9(4) - 24 \div \sqrt{16}$ (30) |
| 13. $15 - 2(3)$ (9) | 14. $98 - (36 + 15)$ (47) | 15. $(98 - 36) + 15$ (77) |
| 16. $17 + 3(4 + 2)$ (36) | 17. $38 - 5(3 + 4)$ (3) | 18. $5(8 + 4) - 12 $ (48) |
| 19. $7(1 + 9) - 44$ (26) | 20. $(24 - 9) - (1 + 3)$ (11) | 21. $(50 + 16) - (17 - 6)$ (55) |
| 22. $\frac{8 + 7}{7 - 2}$ (3) | 23. $\frac{40}{4(2)}$ (5) | 24. $\frac{4(3)}{14 - 4}$ (1.2 or $\frac{1}{5}$) |
| 25. $\frac{6(8 - 3)}{2}$ (15) | 26. $\frac{8}{2} + \sqrt{121}$ (15) | 27. $\frac{9}{3} - 1$ (2) |
| 28. $ -7 + \frac{18}{3(3)}$ (9) | 29. $\frac{9(2)}{6} + 4$ (7) | 30. $12 - \frac{8(5)}{4}$ (2) |

Use grouping symbols to make each statement true.

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|---|-----------------------------------|
| 31. $(25 - 8) \cdot 3 = 51$ | 32. $9 + 4 \cdot 5 - 3 = 17$? |
| 33. $(9 + 9) \div 3 \cdot (5 - 3) = 12$ | 34. $(6 \cdot 5) - (5^2 + 2) = 3$ |

Write as an algebraic expression.

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|---|---|
| 1. 7 less than 4 times a number
<u>$4n - 7$</u> | 2. 11 more than half a number
<u>$11 + \frac{1}{2}n$</u> |
| 3. 6 less than twice w
<u>$2w - 6$</u> | 4. the sum of triple z and half of x
<u>$3z + \frac{1}{2}x$</u> |
| 5. 5 more than the product of 14 and y
<u>$5 + 14y$</u> | 6. $\frac{1}{2}$ the difference of a number and 15
<u>$\frac{1}{2}(n - 15)$</u> |
| 7. double the sum of x and 5
<u>$2(x + 5)$</u> | 8. 4 less than the quotient of x and -5
<u>$\frac{x}{-5} - 4$</u> |