

Review: Exponents and Powers, Order of Operations

Evaluate the expression.

1. $4^2 + 3 \cdot 5$

2. $(7^2 + 3) \div 4 - 8$

3. $14 - 3(4 - 2)$

4. $\frac{8^2(2+3)}{4}$

5. $3\left(1\frac{2}{3} + 1\frac{1}{3}\right) + 11$

6. $18 \div (2 \times 3) + (7 + 3)^2$

7. $16 \div 2\left(3\frac{1}{5} - 1\frac{1}{5}\right) + 20$

8. $\frac{9^2 - 11}{14 - 4}$

9. A rectangular garden has a length of 15 feet. The width of the garden is 5 feet shorter than the length. What is the perimeter of the garden?
10. There are 36 crackers in a box. A store has 88 boxes. How many total crackers are there in the store?
11. Order 0.45, 0.4, 0.444, and 0.48 from greatest to least.

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Write the product as a power.

12. $34 \cdot 34 \cdot 34 \cdot 34$

13. $17 \times 17 \times 17 \times 17 \times 17$

Find the value of the power.

14. 13^2

15. 0^4

16. 6^3

- 17.** A basketball coach buys each player of a team a pair of shoes that costs \$50, a uniform that costs \$25, and equipment that costs \$8. If there are 15 players on the team, how much does the coach spend in all?