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Algebra I

ercents, Decimals, & Fractions

1.3 Factors & Multiples

Sponge Problems

1. What is n^3 if n = 2? *(M.8.A.2.1.1)*

   A. 5 B. 6 C. 8 D. 9

2. Simplify: $2^3 + 4(9 - 5) \div 4$ *(M.8.A.2.1.1)*

   A. 6.5 B. 10 C. 12 D. 29

Review Problems

Write the decimals in order from least to greatest.

3. 1.24, 1.02, 1.058, 1.5, 1

Perform the indicated operation.

4. 8.2 + 3.9
5. 0.88 – 0.346
6. 3.2 x 2.41
7. 32 ÷ 4.8

1.3 Problems

Write the prime factorization of the number if it is not a prime number. If the number is prime, write *prime*.

8. 28
9. 16
10. 11
11. 100
12. 81
13. 49
14. 60
15. 53

Find the greatest common factor of the pair of numbers.

16. 4, 8
17. 5, 6
18. 60, 18
19. 2, 10
20. 36, 27
21. 15, 21
22. 12, 16
23. 24, 108

Find the least common multiple of the pair of numbers.

24. 6, 9
25. 3, 8
26. 5, 45
27. 16, 20
28. 10, 65
29. 12, 15
30. 9, 30