



HOMEWORK

Homework Problems

Circle the homework problems assigned to you by the computer, then complete them below.



Explain Adding and Subtracting

Perform the indicated operations in problems (1) – (12).

- $25 + 13$
- a. $-8 + 5$
b. $-14 + 27$
- a. $4 + 11 + 20$
b. $24 + 17 + 31$
- a. $-34 + 62$
b. $-36 + 22$
- $-31 + 45 + 7$
- $-21 + 15 + 24$
- a. $25 - 17$
b. $38 - 29$
- a. $9 - (-4)$
b. $47 - (-18)$
- a. $24 - 49$
b. $53 - 76$
- $77 - 49 - 8$
- $47 + 65 - 73$
- $-31 - (-61) - 20$

Multiplying and Dividing

- Find:
a. $(-7) \cdot 12$
b. $(-12) \div 4$
- Find:
a. $(-7) \cdot (-20)$
b. $(-108) \div (-9)$
- Identify the base and the exponent: 13^{28}
- Find: $(-12) \cdot (-5) \div (-4)$
- Find: $36 \div (-4) \cdot (-8)$
- Write without an exponent, then calculate: 2^7
- Simplify: $(-4) \cdot (8 - 3)$
- Find: $8 - 2 \cdot (4 - 1)$
- Is $(139 - 47) - 258 = 139 - (47 - 258)$?
- Find: $8 - 2 \cdot [11 - 3 \cdot (5 - 1)]$
- Find: $3 \cdot 5^2$
- Is $53 + (27 \cdot 44) = (53 + 27) \cdot (53 + 44)$?



Practice Problems

Here are some additional practice problems for you to try.

Adding and Subtracting

1. Find: $-6 + 10$
2. Find: $12 + (-7)$
3. Find: $-15 + 8$
4. Find: $15 + (-21)$
5. Find: $17 + (-27)$
6. Find: $-11 - 8$
7. Find: $-13 - 7$
8. Find: $-5 - 23$
9. Find: $-3 - 15$
10. Find: $-21 - 23$
11. Find: $-15 - 17$
12. Find: $-25 - (-15)$
13. Find: $-127 - (-15)$
14. Find: $-32 - (-43)$
15. Find: $4 - 14 + 11$
16. Find: $5 - 19 + 22$
17. Find: $10 + 23 - 44$
18. Find: $-3 - 7 - 9$
19. Find: $-2 - 14 - 37$
20. Find: $-34 - 18 - 23$
21. Find: $12 - 16 - 23$
22. Find: $14 - 20 - 32$
23. Find: $25 - 18 - 55$
24. Find: $10 - (-3) - 2$
25. Find: $15 - (-4) - 9$
26. Find: $26 - 18 - (-12)$
27. Find: $-24 - 3 - (-42)$
28. Find: $-18 - (-7) - 11$

Multiplying and Dividing

29. Find: $8 \cdot (-4)$
30. Find: $-9 \cdot (-6)$
31. Find: $-7 \cdot 6$
32. Find: $24 \div (-6)$
33. Find: $-27 \div 9$
34. Find: $-18 \div (-3)$
35. Find: $-90 \div 5 \cdot 2$
36. Find: $45 \div (-9) \cdot 3$
37. Find: $-18 \cdot (-2) \div 4$
38. Write without an exponent and then calculate: 3^4
39. Write without an exponent and then calculate: 4^3
40. Write without an exponent and then calculate: 5^4
41. Write without an exponent and then calculate: 2^6
42. Is $(32 - 15) - 10 = 32 - (15 - 10)$?
43. Is $(-16 - 4) - 11 = -16 - (4 - 11)$?
44. Is $(-20 - 2) - 8 = -20 - (2 - 8)$?
45. Simplify: $-3 \cdot (4 - 10)$
46. Simplify: $(6 - 2) \cdot (-5)$
47. Simplify: $-4 \cdot (7 - 8)$
48. Find: $3 \cdot 2^3$
49. Find: $5 \cdot 4^2$
50. Find: $-5 \cdot 4^2$
51. Find: $5 + (-3) \cdot (-9)$
52. Find: $10 - (-4) \cdot (-2)$
53. Find: $2 \cdot (-5) - (-15)$
54. Find: $[6 + (-8)] \cdot (-9 + 4)$
55. Find: $(7 - 13) \cdot (-12 + 8)$
56. Find: $[8 - (-3)] \cdot (5 - 9)$

Practice Test

Take this practice test to be sure that you are prepared for the final quiz in Evaluate.

- Find:
 - $8 + 11$
 - $-23 + 12$
 - $-13 + 28$
- Find: $-40 + 18 + 7$
- Find:
 - $67 - 43$
 - $-23 - 14$
 - $34 - 61$
- Find: $34 - 8 - (-13)$
- Find:
 - $34 \cdot 3$
 - $(-14) \cdot (-6)$
 - $(-50) \div 2$
- Write using an exponent:
 $11 \cdot 11 \cdot 11 \cdot 11 \cdot 11 \cdot 11 \cdot 11 \cdot 11 \cdot 11$
- Rewrite using the Distributive Property and simplify:
 $-4 \cdot (9 - 2)$
- Simplify:
 - $10 - 2 \cdot 3$
 - $40 - 2 \cdot [6 - 3(5 - 1)]$



TOPIC EI CUMULATIVE ACTIVITIES

CUMULATIVE REVIEW PROBLEMS

These problems combine all of the material you have covered so far in this course. You may want to test your understanding of this material before you move on to the next topic. Or you may wish to do these problems to review for a test.

- Find the equivalent fraction: $\frac{2}{7} = \frac{?}{56}$
- Find: $\frac{1}{2} \cdot \frac{1}{9}$
- Find: $4 - 6$
- Find: $\frac{1}{2} + \frac{1}{3} - \frac{1}{4}$
- Find: $8 \cdot 14$
- Find: $56 \div (-7)$
- Find the least common multiple (LCM) of 25 and 125.
- Find: $-3 + 7$
- Rewrite using the Commutative Property: $479 \cdot 261$
- Write using an exponent: $18 \cdot 18 \cdot 18 \cdot 18$
- Reduce to lowest terms: $\frac{8}{32}$
- Find the reciprocal of 1000.
- Find the least common denominator of $\frac{2378}{6}$ and $\frac{995}{10}$.
- Find: $-9 + 2 + 4$
- Find: $12 + 17$
- Write the prime factorization of 54.
- Find: $21 + (-15)$
- Find: $(3 - 2 \cdot 4)^2$
- Simplify using the Distributive Property: $4 \cdot (13 + 7)$
- Find: $\frac{81}{55} \div \frac{9}{11}$
- Find: $\frac{4}{7} - \left(-\frac{2}{5}\right)$
- Find: $(-24) \cdot (-3)$
- Identify the base and the exponent: 26^{11}
- Find the greatest common factor of 18 and 36.
- Find: $\frac{19}{7} - \frac{3}{2}$
- Find: $(-3) \cdot (-15) \div (-5)$
- Find the equivalent fraction: $\frac{11}{14} = \frac{?}{42}$
- Find: $-23 + 15$
- Reduce to lowest terms: $\frac{9}{15}$
- Find: $11 + 19 + (-12)$
- Find: $2 \cdot 9 + 45 \div 5$
- Find: $\frac{3}{100} + \frac{7}{100}$
- Find: $\frac{3}{16} - \frac{1}{8} - \frac{2}{32}$
- Find: $7 - 9 \div 3$

35. Find: $\frac{3}{7} \cdot \frac{14}{6}$

36. Find: $-\frac{5}{4} + \frac{2}{4}$

37. Simplify: $\left(-\frac{2}{7}\right) \cdot \left(\frac{21}{4} + \frac{28}{16}\right)$

38. Find: $20 \div \frac{2}{7}$

39. Find the least common multiple (LCM) of 14 and 8.

40. Find: $(-12) \div 8$

41. Find the reciprocal of $\frac{13}{87}$.

42. Find: $-\frac{11}{129} + \frac{24}{129} - \frac{5}{129}$

43. Find the least common denominator (LCD) of $\frac{1}{16}$ and $\frac{19}{40}$.

44. Write using an exponent: $(-2) \cdot (-2) \cdot (-2) \cdot (-2) \cdot (-2) \cdot (-2)$

45. Find: $\frac{78}{17} \div \frac{26}{5}$

46. Reduce to lowest terms: $\frac{32}{50}$

47. Find the greatest common factor (GCF) of 50 and 125.

48. Find: $\frac{5}{12} - \frac{1}{12} + \frac{3}{12}$

49. Write the prime factorization of 363.

50. Find: $\left(-\frac{13}{7}\right) \cdot \left(-\frac{5}{39}\right)$