

Grade 7 Hon Prep Work
3.1 Operations with Decimals

Name _____

Date _____

1. Subtract: $27.03 - 15.234$

2. Simplify: $3(5 + 8.2 - 4)$

3. Simplify: $100 - \frac{100}{0.1}$

4. Find the product:
$$\begin{array}{r} 2.038 \\ \times 1.4 \\ \hline \end{array}$$

5. Find the quotient: $76.076 \div 76$

6. Simplify: $3.2 + 5.8 - (4.3 + 6)$

7. Find the quotient: $78.3 \div 1.08$

8. Simplify: $(4.3 - 2.6)(9 - 1.2)$

9. Express in simplest form: $-(2 - 11)(3 - 2.4)$

10. Find the product:
$$\begin{array}{r} 26.01 \\ \times 0.031 \\ \hline \end{array}$$

11. Simplify: $-(2.6 - 5.9)(8.4 - 9.3)$

12. Find the quotient: $9.005 \div 0.025$

13. Express in simplest form: $2.7 + 6.07 \times 8.9$

14. Express in simplest form:
 $5.9 + (18.2 - 25.275) \div 0.05$

15. Express in simplest form: $6.3 - 0.02(4.8 - 7.2)$

16. Express in simplest form: $-(4.8 - 2.3)^2 \cdot (5.7 - 8.4)$

17. Find the decimal number which represents the sum $0.0008 + 239 + 5.97$.

18. Subtract: $0.49 - 0.0091$

19. Multiply 18.05 by 5.4 and express the product as a decimal number.

20. Multiply $0.\overline{81} \times 1.\overline{2}$ and express the product in simplest form.

Answer List

- | | | |
|-------------|--------------|------------|
| 1. 11.796 | 2. 27.6 | 3. -900 |
| 4. 2.8532 | 5. 1.001 | 6. -1.3 |
| 7. 72.5 | 8. 13.26 | 9. 5.4 |
| 10. 0.80631 | 11. -2.97 | 12. 360.2 |
| 13. 56.723 | 14. -135.6 | 15. 6.348 |
| 16. 16.875 | 17. 244.9708 | 18. 0.4809 |
| 19. 97.47 | 20. 1 | |

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- | | | |
|---------------|---------------|---------------|
| 1. MCC AB 1 | 2. MCC AB 2 | 3. MCC AB 3 |
| 4. MCC AB 4 | 5. MCC AB 5 | 6. MCC AB 6 |
| 7. MCC AB 7 | 8. MCC AB 8 | 9. MCC AB 9 |
| 10. MCC AB 10 | 11. MCC AB 11 | 12. MCC AB 12 |
| 13. MCC AB 13 | 14. MCC AB 14 | 15. MCC AB 15 |
| 16. MCC AB 16 | 17. MCC AB 17 | 18. MCC AB 18 |
| 19. MCC AB 19 | 20. MCC AB 20 | |