

QUOTABLE PUZZLES

Expressions and Operations A.1

Directions: Solve the following problems. Match that answer to the correct letter of the alphabet. Enter that letter of the alphabet on the blank corresponding to the problem number.

$$\frac{25}{12} - \frac{20}{2} - \frac{1}{1}, \quad \frac{2}{17} - \frac{11}{11} - \frac{25}{3} - \frac{21}{1} - \frac{4}{20} - \frac{7}{7}$$

$$\frac{25}{15} - \frac{20}{20}, \quad \frac{2}{17} - \frac{11}{11} - \frac{25}{25} - \frac{1}{20} - \frac{19}{19} - \frac{20}{19} - \frac{10}{20} - \frac{1}{1}$$

$$\frac{25}{11} - \frac{21}{2}, \quad \frac{2}{17} - \frac{11}{11} - \frac{25}{5} - \frac{5}{17} - \frac{11}{11} - \frac{20}{20} - \frac{1}{15} - \frac{7}{7} - \frac{2}{2} - \frac{17}{17} - \frac{11}{11}$$

A	B	C	D	E	F	G	H	I	J	K	L	M
12	17	14.4	2.8	-22	3	13	4.2	35	0	1.4	-4	2
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
4	55	4.2	21.2	30	2.4	70	31	22	8	21	15	8.9

Evaluate each expression for a = 5, b = 6, c = 2, x = 4, y = 5, and z = 10.

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|---------------------------------|---|------------------------------------|
| 1. $6a$ | 14. $\sqrt{18} \div 3$ | 26. the difference of $5y$ and z |
| 2. bc | 15. $\frac{\sqrt{18}}{\sqrt{3}}$ | |
| 3. b/c | 16. $\sqrt{206}$ | |
| 4. $18 - a$ | 17. 6 less than z | |
| 5. $a/a + 30$ | 18. the product of -1 and x | |
| 6. $2a + bc$ | 19. z divided by y | |
| 7. $10(a + c)$ | 20. the product of -3 and x , minus z | |
| 8. $\sqrt{64}$ | 21. z divided by 2, plus y times z | |
| 9. $\sqrt{144}$ | 22. half of z minus y | |
| 10. $\sqrt{16} + \sqrt{169}$ | 23. the square of y decreased by x | |
| 11. $\sqrt{8}$ | 24. x times the square root of y | |
| 12. $3\sqrt{2}$ | 25. the sum of y and the product of 3 and z | |
| 13. $\sqrt{30} \cdot \sqrt{15}$ | | |