

What Is the Best Way To Become an Astronaut?

Choose the correct answer for each exercise and circle the number-letter pair next to it. Write the letter in the matching numbered box at the bottom of the page.

Set 1. Simplify.

- a. $12 + (5 - 9)$ d. $(-5)(-4)(-18)$
 b. $-7(-1 + 8)$ e. $16 - (-3 - 8)$
 c. $20 - (-3) + 15$ f. $[-2 - (-9)] + 75$

Set 1 Answers

- 26 • S 27 19 • T -420
 23 • J -45 21 • E 38
 16 • D 8 9 • F 92
 14 • A 82 8 • C -49
 30 • B 30 5 • O -360

Set 2. Simplify.

- a. $(-3 \cdot 4) + (-4 \cdot 3)$ d. $100 - (-50) + (-25)$
 b. $(21 - 30)(-12 + 1)$ e. $(-30 - 30) \div (-5)$
 c. $(-5)^3(-1)^{10}$ f. $(-64 \div 8) + (-81 \div 9)$

Set 2 Answers

- 19 • A 99 2 • O -125
 30 • E 12 28 • I 110
 12 • T -20 23 • U -24
 18 • R -9 15 • N -17
 9 • H 125 24 • S 15

Set 3. Simplify.

- a. $\frac{-13 + 5}{13 - 15}$ d. $\frac{-140}{14} + \frac{140}{-10}$
 b. $(-2)^4(-10)^2$ e. $5(-3)^3$
 c. $\frac{(-8)(-8)}{-8 + (-8)}$ f. $\frac{-77}{-7} - \frac{99}{-99}$

Set 3 Answers

- 4 • D -30 10 • O 4
 12 • L -4 24 • P -135
 18 • T 12 20 • V -140
 11 • R 15 28 • A 1600
 1 • G -24 29 • G 2000

Set 4. Evaluate if $a = -5$, $b = -8$, and $c = 2$.

- a. abc d. $2b - (-c)$
 b. $3a - b$ e. $cb^2 + a$
 c. $\frac{-a^2 + 1}{4c}$ f. $\frac{(ac)^3}{5b}$

Set 4 Answers

- 11 • O -7 6 • N -20
 20 • K 123 7 • S -14
 25 • E 130 27 • P 25
 4 • T 80 22 • R -11
 17 • I -80 29 • C -3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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