



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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