WHY IS IT GOOD TO HAVE HOLES IN YOUR T-SHIRTS?

Key

Write the letter of each exercise in the box containing the number of the answer.

1. Simplify.

R. $-2(-1 + 9)$ -16

S. $5(-3 - 4)$ -35

E. $8 \cdot 4 \cdot (-2)$ -64

A. $9 - (-6) + 20$ 35

G. $-7(-10 + 2)$ 56

I. $-6 + (-5) - 3$ -14

- **7** 35
- **36** −35
- **17** −14
- **10** −17
- **19** −16
- **25** −64
- **43** 56

2. Simplify.

H. $-15 - (-4) + (-1)$ -12

E. $(-2)(-5)(-17)$ -170

T. $[6 + (-11)] \cdot 8$ -40

R. $-9 - (-23 + 3)$ 11

U. $7(-3)(-4)$ 84

E. $-3(8 - 30)$ 66

- **3** −170
- **42** 84
- **27** 72
- **12** −40
- **9** 66
- **39** −12
- **31** 11

3. Simplify.

T. $2(-7)^2$ 98

A. $16 - [5 - (-8)]$ 3

R. $(-9 + 4) \cdot (-4 + 9)$ -25

O. $-8 \cdot 3 + -3 \cdot 8$ -48

U. $(-2)^3(-3)^2$ -72

Y. $[18 + (-11)] \cdot (-6)$ -42

- **22** −48
- **4** −42
- **34** −25
- **30** −72
- **21** 98
- **20** −54
- **15** 3

4. Simplify.

O. $-2n + 9n - 8$ $7n-8$

E. $6n - (-4n) + 6$ $10n+6$

T. $12 - n + 8n$ $7n+12$

Y. $3n + (-7) - 5n + 1$ $-2n-6$

H. $-4 - n - 4n + 15$ $-5n+11$

I. $-10 - (-7n) + (-9n)$ $-2n-10$

- **5** $-2n + 11$
- **28** $-2n - 6$
- **41** $7n - 8$
- **11** $-2n - 10$
- **1** $7n + 12$
- **44** $-5n + 11$
- **14** $10n + 6$

5. Evaluate if $x = -4$, $y = 3$.

E. $7x + 1$ -27

O. $5xy$ -60

G. $8x - 2y$ -38

H. $x + 6y + 6$ 20

T. xy^2 -36

M. $(xy)^2$ 144

- **2** 20
- **6** 144
- **38** −36
- **29** −60
- **37** 81
- **18** −27
- **24** −38

6. Evaluate if $a = -2$, $b = -5$.

M. $3a + 4b$ -26

T. $8a - b$ -11

S. $-9a + 6b$ -12

R. $-a - 20b$ 102

K. $a^2 + b^2$ 29

A. $(a + b)^2$ 49

- **8** 29
- **32** 100
- **35** −26
- **16** −12
- **33** 49
- **40** 102
- **26** −11

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
T	H	E	Y		M	A	K	E			I	T	E	A	S	I	E	R		T	O

23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
G	E	T			Y	O	U	R		A	R	M	S		T	H	R	O	U	G	H

Integers and Expressions:
Adding, Subtracting, and Multiplying Integers