GRAPHING INTEGERS ON A NUMBER LINE

SKILLS

Write in the missing integers of the number line.

–4 –3 –2   0 1 2   4   6 7

–7 –6   –4 –3   –1 0 1   3 4

–8   –6 –5   –3 –2   0 1 2 3

–5 –4   –2 –1 0   2 3   5 6

–5 –4 –3 –2 –1 0   3   5

–5 –4   –1 0 1 2 3   6 7

–6   –3 –2   0   3 4 5

–6 –5 –4 –3 –2 –1 0 1   3 4 5 6
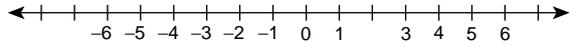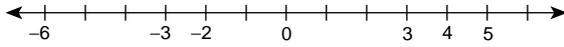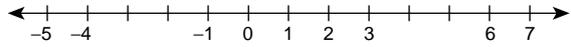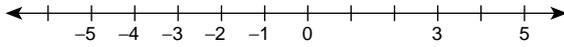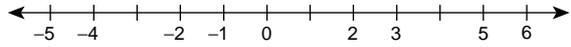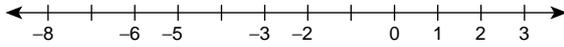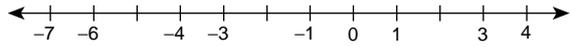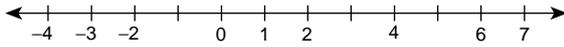
List the integers by referring to the number line.

←————————————————————————→
–8 –7 –6 –5 –4 –3 –2 –1 0 1 2 3 4 5 6 7 8
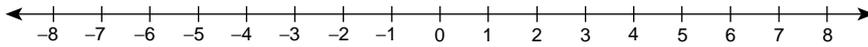
The integers between 0 and 4 are _____.

The integers between −1 and −4 are _____.

The integers between 3 and 6 are _____.

The integers between −2 and −5 are _____.

The integers between −5 and −8 are _____.

The integers between 5 and 8 are _____.

The integers between −3 and −7 are _____.

Graph the integers.

–5 –4 –3 –2 –1 0 1 2 3 4 5
Graph −1 and 3.

–5 –4 –3 –2 –1 0 1 2 3 4 5
Graph 1 and 4.

–4 –3 –2 –1 0 1 2 3 4 5 6
Graph −3 and 5.

–7 –6 –5 –4 –3 –2 –1 0 1 2 3
Graph −6 and −2.

–5 –4 –3 –2 –1 0 1 2 3 4 5
Graph −2 and 2.

–9 –8 –7 –6 –5 –4 –3 –2 –1 0 1 2 3 4 5 6 7 8
Graph −7 and 6.
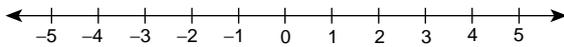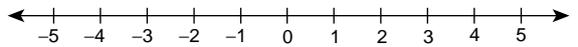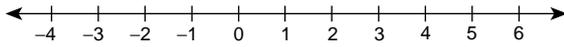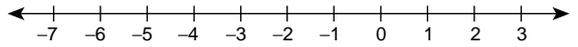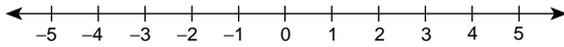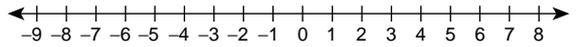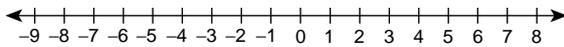
–9 –8 –7 –6 –5 –4 –3 –2 –1 0 1 2 3 4 5 6 7 8
Graph −8 and 7.

PROBLEM SOLVING

Graph each described integer on the number line. What word is spelled?

E: 20 feet above sea level

A: A loss of 2 dollars

T: A profit of 8 dollars

T: Grew 4 inches

L: Deposit 15 dollars

E: 8° below zero

S: 14 feet below sea level

←————————————————————————————————→
–16 –14 –12 –10 –8 –6 –4 –2 0 2 4 6 8 10 12 14 16 18 20
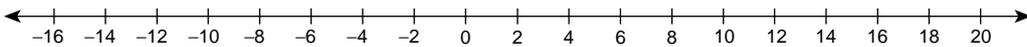
When read from left to right, the letters spell the word "_____."

MSM-08-01

INTEGERS

Integers

Name _____

Basic Worksheet for 58 – 59

$^-6$ $^-5$ $^-4$ $^-3$ $^-2$ $^-1$ 0 $^+1$ $^+2$ $^+3$ $^+4$ $^+5$ $^+6$
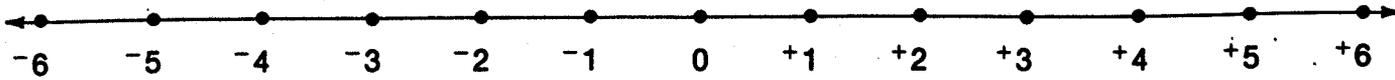
< or > ? or =

1. $^+1$ ⟩ 0

2. $^-1$ ◯ 0

3. $^-1$ ◯ $^+1$

4. $^+5$ ◯ $^+4$

5. $^+5$ ◯ $^-4$

6. $^-5$ ◯ $^+4$

7. $^-5$ ◯ $^-4$

8. $^+5$ ◯ $^-5$

9. $^+2$ ◯ $|^-2|$

10. $^-7$ ◯ $^-1$

11. $^-2$ ◯ $^-10$

12. $^-10$ ◯ $^+9$

13. $^+12$ ◯ $^-13$

14. $^-12$ ◯ $^-13$

15. 0 ◯ $^-14$

16. 0 ◯ $^+17$

17. $^-15$ ◯ $^+13$

18. $^+16$ ◯ $^-20$

19. $|^-18|$ ◯ $^+18$

20. $^-19$ ◯ $^-16$

21. $^+21$ ◯ $|^-24|$

22. $^-35$ ◯ 0

23. $^+34$ ◯ $^+31$

24. $^-34$ ◯ $^-31$

25. $^+39$ ◯ $|^+35|$

26. 0 ◯ $^-36$

27. $^-37$ ◯ $^-39$

(8) Comparing positive and negative numbers   16

Name _____

Enrichment Worksheet for 58 – 59

What does a boa constrictor order at an ice-cream shop?

Follow the steps to find the answer.
1. Circle the greatest number in each exercise.
2. Cross out each box below that contains a circled number.
3. Read the answer using the letters in the remaining boxes.

1. $^+5$ $^+3$ $^+4$

2. $^-8$ $^-3$ $^-6$

3. $^+3$ $^-4$ $^-5$

4. $^+2$ $^-6$ 0

5. $^-12$ $^+8$ $^+4$

6. $^-15$ 0 $^-8$

7. $^+20$ $^+24$ $^-25$

8. $^-25$ $^-24$ $^-23$

9. $^+36$ $^+39$ $^+32$

10. $^-31$ $^-42$ $^-37$

11. $^-18$ $^+18$ 0

12. $^+12$ $^-16$ $^-35$

13. $^+40$ $^+36$ $^+29$

14. $^-25$ $^-16$ $^-23$

15. $^-15$ $^+13$ 0

16. $^-36$ $^-30$ $^-41$

17. $^-36$ $^-45$ $^-27$

18. 0 $^-48$ $^+27$

19. $^-46$ $^-35$ $^-32$

B	A	T	T	E	S	C	N	O	A
$^+3$	$^-8$	$^+24$	$^+40$	0	$^-39$	$^-16$	$^-35$	$^+12$	$^-27$
D	E	A	C	K	R	E	O	K	E
$^-23$	$^+27$	$^-25$	$^-3$	$^-45$	$^+8$	$^-48$	$^+18$	$^+5$	$^-30$
S	T	H	A	I	N	K	M	O	E
$^-15$	$^+2$	$^-41$	$^+36$	$^-31$	$^+39$	$^-15$	$^+13$	$^-32$	$^+29$

Answer _____

(8) Puzzle—comparing positive and negative numbers   16