

Chapter 9 Gifted and Enrichment Answers

1.

Net Gain by Anita's Team	Highest Possible Number of Baskets	Lowest Possible Number of Foul Shots
+13	15	1
+10	19	0
-7	16	0
-6	12	1
+8	21	0
-11	9	1

2.

Move	Spaces Moved as Integers
1	+6
2	+3
3	+5
4	-8
5	+5
6	+5
7	+6
8	-4
9	+6
10	-2

Total movement: $(+6) + (+3) + (+5) + (-8) + (+5) + (+5) + (+6) + (-4) + (+6) + (-2) = +22$

Jackson has moved forward 22 spaces.

3. Methods may vary. Examples:

Method 1:

Gives Away	Collects	Change
3	2	-1
1	3	+2
2	6	+4
6	4	-2
8	4	-4
4	4	0
5	7	+2

Total change = $(-1) + (+2) + (+4) + (-2) + (-4) + 0 + (+2) = +1$

At the end of trading, Cheryl has $68 + 1 = 69$ cards.

Method 2: Number of cards = $68 + (-3) + (+2) + (-1) + (+3) + (-2) + (+6) + (-6) + (+4) + (-8) + (+4) + (-4) + (+4) + (-5) + (+7) = 69$

At the end of trading, Cheryl has 69 cards.

4.

Integer Subtraction	Depth (m)
$-23 - (-7)$	-16
$-16 - (+3)$	-19
$-19 - (+5)$	-24
$-24 - (-9)$	-15
$-15 - (+12)$	-27
$-27 - (-25)$	-2