

**Patterns in Integer Subtraction**

1. Complete the tables.

You can use models to help you subtract.

Number	Operation	Number	Result
3	–	3	
3	–	2	
3	–	1	
3	–	0	
3	–	–1	
3	–	–2	
3	–	–3	

Number	Operation	Number	Result
–3	–	3	
–3	–	2	
–3	–	1	
–3	–	0	
–3	–	–1	
–3	–	–2	
–3	–	–3	

2. What patterns do you notice in the results?

How does subtracting a negative relate to what you know about adding a positive number?

## Patterns in Integer Subtraction (cont'd)

3. Use a pattern from the tables to help you rewrite each subtraction statement as an addition statement. Determine each difference.

a)  $(-3) - (-6)$

b)  $(-3) - (+6)$

c)  $(+3) - (-6)$

d)  $(+3) - (+6)$

4. Describe a strategy you can use when subtracting integers. Be specific and include at least one example.