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## Patterns in Integer Addition

1. Complete the tables.

You can use models to help you add.

| 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 |  |

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## Patterns in Integer Addition (cont'd)

2. What patterns do you notice in the results? How does adding a negative relate to what you know about subtracting positive numbers?
3. Based on the patterns you noticed, describe some strategies you can use when adding integers.
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## Patterns in Integer Addition (cont'd)

4. Use the strategies you described to complete these sums.
a) $6+(-4)$
b) $4+(-7)$
c) $(-5)+5$
d) $(-5)+(-2)$
