

Worksheet.

1. Compute the following:

$$3 \times 17 + 7 \times 17$$

2. Replace both 17s above with 23 and compute. That is, compute $3 \times 23 + 7 \times 23$
3. Replace the 17s by 11 and compute.
4. Replace both 17s by -9 and compute.
5. Fill in the following table with your answers: The answers to the last 3 should be obvious, without calculating.

17	
23	
11	
-9	
142	
-15	
X	

6. Compute: $5 \times 17 + 3 \times 17 - 7 \times 17$
7. Replace the 17s by 23 and compute.
8. Replace the 17s by 11 and compute.
9. Replace the 17s by -9 and compute.
10. Fill in a table like the one above. Again, the answers to the last 3 should be clear.
11. Compute: $3 \times 17 - 2 \times (17 - 5)$
12. Replace the 17s by 23, 11, and -9 as above. Again make a table.
13. Explain in clear English the method you would use to compute the answers without doing the arithmetic as given.