

Practice 1-3

Properties of Numbers

Name each property of addition or multiplication used below.

1. $(6 + 1) + 3 = 1 + 2 + 5 + 6 + 1 = (3 + 1) + 2 + 1$

2. $13 + 3 + 1 + 5 + 13$

3. $8 + 1 + 20 + 1 + 12 + 5 + 8 + 1 + 12 + 1 + 20$

4. $5 + 3 + 2 + 3 + 11 + 5 + 2 + 3 + 11 + 3 + 5$

Use mental math to find each sum or product.

5. $53 + 12 + 7$

6. $2 \times 53 \times 5$

7. $8 + 0 + 6$

8. $(19 + 22) + 8$

9. $5 \times (13 \times 20)$

10. $40 \times 31 \times 25$

11. $25 + (13 + 5)$

12. $7 \times 25 \times (1 \times 8)$

13. $7 + 14 + (23 + 6)$

14. $4 \times (25 \times 17)$

15. $43 + 4 + (13 + 3)$

16. $5 \times 1 \times 13 \times 20$

Solve.

17. Mrs. Gauthier plans to take her class on 2 field trips this year. There are 23 students in her class, and each field trip will cost \$5 per student. Use mental math to find the total cost for both field trips.

18. Roshonda's garden produced 25 carrots, 127 blackberries, and 5 pumpkins. What was the total number of fruits and vegetables produced by Roshonda's garden? Use mental math to find the solution.

19. Michael washes the Gomez family's cars once a month. They pay him \$25 every 3 months for his work. At this rate, how much money will Michael earn in one year?

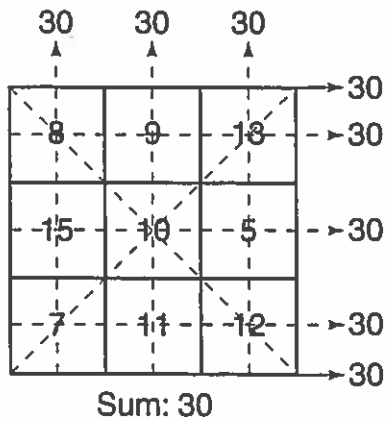
Puzzle 1-3

Properties of Numbers

Mental Math

When you add the numbers in each row, each column, and each diagonal of a number square, the sum is the same.

- Use your mental math skills to complete these number squares. Write the sum.



a.

23	21	19
25		

Sum: _____

b.

2	9	
	6	
5		10

Sum: _____

- Use your math skills to create a number square using the numbers 1–9.

	5	
	3	

Sum: _____

- In this number square, the product is the same when you multiply the numbers in each row, each column, and each diagonal. Complete the number square.

12	1	18
	6	

Product: _____