Name _____ Date _____

Multiplication Strategies:
6, 7, 8, and 9
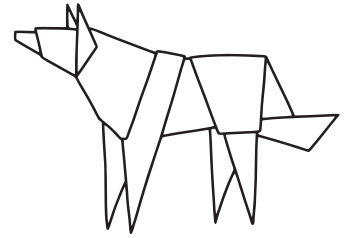
Factor	Strategy	Example
6	Multiply by 5 and add one group. (5 × ___) + (1 × ___)	6 × 4 = (5 × 4) + (1 × 4) = 20 + 4 = 24
7	Multiply by 5 and multiply by 2, then add the products. (5 × ___) + (2 × ___)	7 × 8 = (5 × 8) + (2 × 8) = 40 + 16 = 56
8	Multiply by 4 and double the product. (4 × ___) × 2	8 × 5 = (4 × 5) × 2 = 20 × 2 = 40
9	Multiply by 10 and subtract one group. (10 × ___) – (1 × ___)	9 × 6 = (10 × 6) – (1 × 6) = 60 – 6 = 54

Directions: Use the strategies to solve the multiplication problems below.

Example: 8 × 3
= (4 × 3) × 2
= 12 × 2
= 24

d. 6 × 7 = (5 × 7) + (1 × 7)
= 35 + 7
= 42

a. 7 × 9 = (5 × 9) + (2 × 9)
= 45 + 18
= 63

e. 9 × 5 = (10 × 5) - (1 × 5)
= 50 - 5
= 45

b. 7 × 4 = (5 × 4) + (2 × 4)
= 20 + 8
= 28

f. 9 × 8 = (10 × 8) - (1 × 8)
= 80 - 8
= 72

c. 6 × 3 = (5 × 3) + (1 × 3)
= 15 + 3
= 18

g. 8 × 4 = (4 × 4) × 2
= 16 × 2
= 32