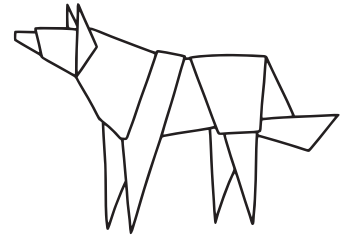


Multiplication Strategies:

6, 7, 8, and 9



Factor	Strategy	Example
6	Multiply by 5 and add one group. (5 × <u> </u>) + (1 × <u> </u>)	6×4 $= (5 \times 4) + (1 \times 4)$ $= 20 + 4$ $= 24$
7	Multiply by 5 and multiply by 2, then add the products. (5 × <u> </u>) + (2 × <u> </u>)	7×8 $= (5 \times 8) + (2 \times 8)$ $= 40 + 16$ $= 56$
8	Multiply by 4 and double the product. (4 × <u> </u>) × 2	8×5 $= (4 \times 5) \times 2$ $= 20 \times 2$ $= 40$
9	Multiply by 10 and subtract one group. (10 × <u> </u>) - (1 × <u> </u>)	9×6 $= (10 \times 6) - (1 \times 6)$ $= 60 - 6$ $= 54$

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

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

d. 6×7

a. 7×9

e. 9×5

b. 7×4

f. 9×8

c. 6×3

g. 8×4