4 as a Factor

If you know a 2s multiplication fact, you can find a 4s multiplication fact.

4s Facts

4 × 0 = 0	4 × 5 = 20
4 × 1 = 4	4 × 6 = 24
4 × 2 = 8	4 × 7 = 28
4 × 3 = 12	4 × 8 = 32
4 × 4 = 16	4 × 9 = 36

You can double a 2s fact or add a 2s fact by itself to find a 4s fact.

When you double an array of 2 × 1, you get an array of 4 × 1.

Find 4 × 3 by doubling a 2s fact.

a. Find a 2s fact with 3 as a factor.

2 × 3 = 6

b. Double it.

2 × 6 = 12
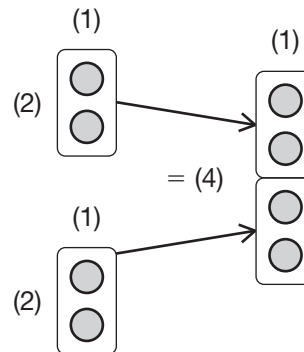
Find 4 × 3 by adding a 2s fact by itself.

a. Find a 2s fact with 3 as a factor.

2 × 3 = 6

b. Add the fact to itself.

6 + 6 = 12

Find each product.

1. 4 × 6   **2.** 8 × 4   **3.** 4 × 5   **4.** 9 × 4   **5.** 4 × 1

_____   _____   _____   _____   _____

6. 4 × 3   **7.** 4 × 7   **8.** 12 × 2   **9.** 0 × 4   **10.** 4 × 4

_____   _____   _____   _____   _____

11. Reason How can you use 2 × 8 to find 4 × 8?

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