Multiplying by Multiples of 10

1. **Use the basic fact**

   $6 \times 4 = 24$

2. **Count the zeros**

   6×40 has **one** zero

3. **Tack them on**

   $6 \times 40 = 240$

   $6 \times 400 = 2{,}400$

Why it works: $6 \times 40 = 6 \times (4 \times 10) = (6 \times 4) \times 10$