

Multiplying Whole Numbers

Find 76×34

Multiply by the ones.

1. 4×6 ones = 24 ones.
2. Regroup 24 ones as 2 tens 4 ones.
3. Multiply 4×7 tens = 28 tens.
4. 28 tens + 2 tens = 30 tens.

Multiply by the tens.

5. 30×6 ones = 180 ones.
6. Regroup 180 ones as 1 hundred and 8 tens.
7. Multiply 30×7 tens = 21 hundreds.
8. 21 hundreds + 1 hundred = 22 hundreds.
9. Add the partial products.

$$76 \times 4 = 304$$

$$76 \times 30 = 2,280$$

$$2,280 + 304 = 2,584$$

$$\mathbf{76 \times 34 = 2,584}$$