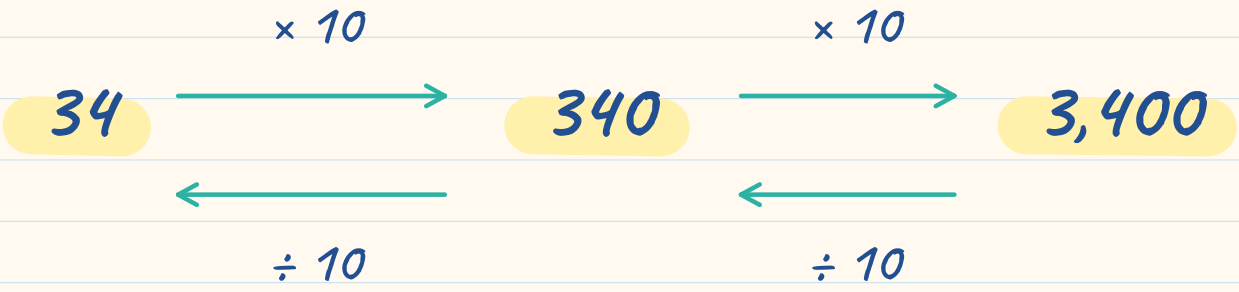
Multiplying and dividing with tens

Number · VC2M4N05

Each place to the left has ten times the value of the place beside it.



☆ Multiply by 10, 100 or 1,000

Move digits left 1, 2 or 3 places in the place-value chart.

34 × 10 = 340; 34 × 100 = 3,400.

34 × 1,000 = 34,000.

☆ Divide by 10, 100 or 1,000

Move digits right 1, 2 or 3 places in the place-value chart.

360 ÷ 10 = 36; 3,600 ÷ 100 = 36.

36,000 ÷ 1,000 = 36.

☆ Use known multiplication facts

12 × 30 = 12 × 3 × 10 = 360.

6 × 4,000 = 24 × 1,000 = 24,000.

30 × 400 = 3 × 4 × 10 × 100 = 12,000.

☆ Divide by a multiple of 10

480 ÷ 20 = 480 ÷ 10 ÷ 2 = 24.

Divide both numbers by 10: 4,800 ÷ 60 = 480 ÷ 6 = 80.

Check with multiplication: 80 × 60 = 4,800.

Remember...

Use place value; simply 'adding a zero' is not a general rule.

Explore ×10 with a calculator; then solve without one.