

Friendly Factors Answer Key

Sample estimates are shown. Other reasonable friendly-number estimates may be accepted.

1. $20 \times 30 = 600$

5. $200 \times 30 = 6,000$

2. $50 \times 20 = 1,000$

6. $250 \times 40 = 10,000$

3. $60 \times 40 = 2,400$

7. $400 \times 50 = 20,000$

4. $100 \times 25 = 2,500$

8. $600 \times 80 = 48,000$

Teacher's Guide

- Explain that friendly numbers are nearby numbers that make mental multiplication easier.
- Encourage students to choose numbers that are easy to multiply rather than automatically rounding to a fixed place value.
- For extra support, suggest friendly numbers such as multiples of 10, 25, 50, or 100.
- For differentiation, let students change only one factor in the first few problems.
- Add engagement by having partners compare their friendly-number choices and discuss different reasonable estimates.
- As an extension, ask students to find two different friendly-number estimates for the same expression and decide which is likely closer to the exact product.