Using Rounding to Estimate

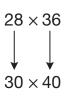Use rounding to estimate 28 × 36.

Step 1
Round each number to the nearest 10.

- Look at the digit in the ones place. Since it is greater than 5, add 1 to the digit in the rounding place.

- Change the digit to the right of the rounding place to 0.

28 rounds to 30 and 36 rounds to 40.

28 × 36
↓   ↓
30 × 40

Step 2
Multiply 30 × 40.

30 × 40 = 1,200

So, 28 × 36 is about 1,200.

Use rounding to estimate each product.

1. 31 × 12

31 rounds to _____.

12 rounds to _____.

_____ × _____ = _____

2. 28 × 17

28 rounds to _____.

17 rounds to _____.

_____ × _____ = _____

3. 46 × 13 = _____

4. 52 × 42 = _____

5. 42 × 18 = _____

6. 38 × 36 = _____

7. 48 × 59 = _____

8. 71 × 34 = _____

9. 62 × 82 = _____

10. 95 × 21 = _____

11. The school store has 25 packages of erasers. There are 12 erasers in each package. About how many erasers does the school store have for sale?

_____

12. Chris estimated the product of 37 and 86 by multiplying 40 × 90. Tell how you know if this is greater than or less than the actual product.

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