

Multiply By 2-Digit Numbers: Estimation – II

1. Estimate the product. Explain

how you estimated.

- 54×187
- 38×734
- 82×126
- $88 \times 2,645$
- $63 \times \$421.44$
- $75 \times \$1,154$
- $36 \times \$675$
- $111 \times \$47.05$
- $26 \times 8,817$
- $93 \times 5,163$

Solution:

- _____
- _____
- _____
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- _____
- _____
- _____

2. A student spends about \$33,465 on tuition per year for undergraduate studies. About how much does a class of 27 students spend on tuition in one year?

Solution:

3. A 40 feet cargo carrying container weighs about 26 tons. A mid size ship can carry about 4,250 container of this size. About how much weight can the ship carry?

Solution:

4. An office floor at a corporate building has about 284 cubicles and 28 rooms. If the building has 63 floors, about how many cubicles and rooms does it have?

Solution:

5. Ivy estimates that she eats about 1,310 calories a day. Her doctor recommends only 1,100 calories per day. About how many calories does she eat more than recommended in a year that has 365 days?

Solution:

6. A 50W Incandescent lamp costs about \$3.68 in electricity charges per year. Ava's school has 117 50W Incandescent lamps. How much do all the lamps cost in electricity charges per year to the school?

Solution:

7. Find the best estimate for 107×963 . Explain.

Solution: