

Name: Class:

Estimate products

In each case, estimate and calculate products. (follow the example).

- a. Estimate the product of **34** and **79** to the nearest ten.
- b. Estimate the product of **56** and **24** to the nearest ten.
- c. Estimate the product of **431** and **71** by rounding to the nearest hundred and ten respectively.
- d. Estimate the product of **558** and **6,780**. Round to the nearest hundred and thousand respectively.
- e. Estimate the product of **24** and **69** to the nearest ten.
- f. Estimate the product of **66** and **14** to the nearest ten.
- g. Estimate the product of **231** and **91** by rounding to the nearest hundred and ten respectively.
- h. Estimate the product of **338** and **4,560**. Round to the nearest hundred and thousand respectively.
- i. Estimate the product of **776** and **8,560**. Round to the nearest hundred and thousand respectively.

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In each case, estimate and calculate products. (follow the example).

a. Estimate the product of 34 and 79 to the nearest ten.

▶ 34 → 30
34 is rounded down to 30

▶ 79 → 80
79 is rounded up to 80

$$\begin{array}{r} 30 \\ \times 80 \\ \hline 00 \\ + 2,400 \\ \hline 2,400 \end{array}$$

The estimated product is 2,400.

b. Estimate the product of 56 and 24 to the nearest ten.

▶ 56 → 60
56 is rounded up to 60

▶ 24 → 20
24 is rounded down to 20

$$\begin{array}{r} 60 \\ \times 20 \\ \hline 00 \\ + 1,200 \\ \hline 1,200 \end{array}$$

The estimated product is 1,200.

c. Estimate the product of 431 and 71 by rounding to the nearest hundred and ten respectively.

▶ 431 → 400
431 is rounded down to 400

▶ 71 → 70
71 is rounded down to 70

$$\begin{array}{r} 400 \\ \times 70 \\ \hline 000 \\ + 28,000 \\ \hline 28,000 \end{array}$$

The estimated product is 28,000.

d. Estimate the product of 558 and 6,780. Round to the nearest hundred and thousand respectively.

▶ 558 → 600
558 is rounded up to 600

▶ 6,780 → 7,000
6,780 is rounded up to 7,000

$$\begin{array}{r} 6,000 \\ \times 7,000 \\ \hline 4,200,000 \\ \hline 4,200,000 \end{array}$$

The estimated product is 4,200,000.