



Estimate before calculating

1

Estimate the product by rounding each number to its leading digit.

$$38 \times 89 = ?$$

A approx 3,600

B approx 360

C approx 3,382

D approx 3,420

2

Estimate the product by rounding each number to its leading digit.

$$102 \times 5 = ?$$

A approx 600

B approx 5,000

C approx 510

D approx 500

3

Estimate the product by rounding each number to its leading digit. Which simplified multiplication should you use?

$$905 \times 39 = ?$$

A 900×39 B 1000×40 C 900×40 D 905×39 **4**

Estimate the quotient by rounding each number to its leading digit.

$$21 \div 22 = ?$$

A approx 2

B approx 1

C approx 10

5

Estimate the quotient by rounding each number to its leading digit.

$$704 \div 7 = ?$$

A approx 1,000

B approx 101

C approx 200

D approx 100

6

Estimate the quotient by rounding each number to its leading digit.

$$796 \div 391 = ?$$

A approx 2

B approx 1

C approx 20

D approx 3

7

Estimate the quotient by rounding each number to its leading digit. Which simplified division should you use?

$$789 \div 8 = ?$$

A $789 \div 8$ B $700 \div 8$ C $900 \div 8$ D $800 \div 8$ **8**

Estimate the product by rounding each number to its leading digit.

$$89 \times 5 = ?$$

A approx 4,500

B approx 450

C approx 445

D approx 540



Estimate before calculating

9

Estimate the product by rounding each number to its leading digit.

$$893 \times 895 = ?$$

A approx 8,100,000

B approx 810,000

C approx 803,700

D approx 799,235

10

Estimate the quotient by rounding each number to its leading digit.

$$699 \div 69 = ?$$

A

approx 100

B

approx 20

C

approx 11

D

approx 10

11

Estimate the quotient by rounding each number to its leading digit.

$$8963 \div 904 = ?$$

A

approx 20

B

approx 10

C

approx 100

D

approx 11

12

What is a good approximation for the second square

$$11^2 = 121$$

$$10.9^2 \approx ?$$

A

126

B

111

C

119

D

133

E

108

F

130