

Name: Key

5th Grade Notes 4.1 Estimate Quotients Using Compatible Numbers with 2-Digit Divisor p. 251

1. When the divisor has two digits, first round the divisor to the nearest tens (always estimate closer).
2. Then change the dividend to a compatible number with the rounded divisor (estimate lower).
3. Divide mentally.

Ex: $812 \div 19$

$$\begin{array}{l} \downarrow \\ 800 \div 20 = 40 \end{array}$$

1. Round 19 to 20.

2. Change 812 to 800

because it goes in evenly.

3. Divide mentally. Make sure the number of zeros is equal after crossing out zeros.

Ex: $234 \div 41$

$$\begin{array}{l} \downarrow \\ 200 \div 40 = 5 \end{array}$$

1. Round 41 to 40.

2. Change 234 to 200

because it goes in evenly. (lower)

3. Divide mentally, counting zeros.