Name_____

Reteaching Page

3.2 Estimating Decimals

You can use **rounding** to estimate with decimals.

26.95 + 1.35; tenths

26.85 = 27.9
1.35 = 1.4
29.3

957.47 – 70.62; whole number

957.47 = 957
70.62 = 71
886

10.68 * 9.2; whole number

10.68 = 11
9.2 = 9
99

You can use **compatible numbers** to estimate with decimals.

9.2 * 4.3 =

10 and 4 are compatible!

9.2 * 4.3 is about 40

73.6 * 4.7 =

70 and 5 are compatible!

73.6 * 4.7 is about 350

68.7 ÷ 7.6 =

Call the 7.6 ... 8;

64 and 8 are compatible!

68.7 ÷ 7.6 is about 8

Estimate by rounding to the indicated place value:

1. 810.08 + 59.95; whole number.

810.08 = _____

59.95 = _____

_____

2. 615.07 – 31.64; tenths.

615.07 = _____

31.64 = _____

_____

Estimate by rounding **or** estimate using compatible numbers.

_____3) 10.28 + 9.2 =

_____4) 529.36 – 28.78 =

_____5) 12.17 * .64 =

_____6) 271.2 ÷ 43 =

_____7) 447.49 + 60.42 =

_____8) 80.24 – 72.48 =

_____9) 6.53 * 6.35 =

_____10) 30.28 ÷ 9.31 =