Estimate Products of Whole Numbers and Decimals



To estimate a product, round each number. Then use a basic fact and a multiplication pattern to multiply mentally.

Estimate 27×643 .

Estimate 54.3 \times 7.6.

Round each number to its greatest place.

Write the basic fact.
Then, write the same number of zeros in the product as are in both factors.

$$54.3 \times 7.6$$
 \downarrow
 $50 \times 8 = 400$
 \uparrow
1 zero
1 zero

Estimate each product. Round each factor. Then multiply.

Estimate the product by rounding. Show how you rounded.

5.
$$8 \times 674$$

6.
$$9 \times 45.8$$