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$\qquad$

### 3.5 Dividing Decimals by a Whole Number

Step 1: Set up equation as long division ignoring the decimal.
Step 2: Solve using long division.
Step 3: Estimate using benchmarks to round.
(Remember numbers less than 4 round down, numbers 5 and greater round up).
Step 4: Use your estimate to appropriately place the decimal.

Ex. Divide 16.64 b 4


Ex. Jacob paid $\$ 52.48$ to get 4 new shirts. How much did each shirt cost?

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$\qquad$
3.6 Dividing Decimals: Exact and Approximate Quotients
Eg. Four hikers want to share 9.45-L jug of water equally. How much water will each hiker get?


Estimate

$$
9.45 \rightarrow 9
$$

$$
4 \longdiv { 9 }
$$

$\rightarrow$ the answer will be a little more than 2 $\therefore$ put the decimal point in the quotient so that the whole \# is close to 2
This quotient is exact
Each hiker got about 2,364.
Eg. One morning, the hikers travelled 10.4 km in 3 hours. About how far did the hikers travel in 1 hr ?


