Name $\qquad$

## Dividing a Whole Number by a Decimal

To divide a whole number by a decimal, multiply both numbers by a power of 10 to make the divisor a whole number.
Divide: $138 \div 0.04$
Multiply by 100 to make 0.04 a whole number. Remember to multiply 138 by 100, too.

$$
0.04 \times 100=4 \quad 138 \times 100=13,800
$$

Use long division to find the quotient:

$$
\begin{array}{r}
3,450 \\
4 \longdiv { 1 3 , 8 0 0 }
\end{array}
$$

$$
\underline{12}
$$

So, $138 \div 0.04=3,450$.

Use long division to find each quotient.

1. $0 . 3 \longdiv { 7 8 0 }$ $\qquad$ 2. $0 . 5 \longdiv { 4 0 6 }$ $\qquad$ 3. $0 . 0 2 \longdiv { 1 1 4 0 }$ $\qquad$
2. $0 . 0 6 \longdiv { 2 8 2 }$
3. $0 . 0 8 \longdiv { 3 1 2 }$
4. $0 . 0 4 \longdiv { 6 1 9 }$ $\qquad$

Find each quotient.
7. $154 \div 0.7$ $\qquad$ 8. $3510 \div 0.9$ $\qquad$ 9. $228 \div 0.3$
$\qquad$
10. $467 \div 0.02$ $\qquad$ 11. $106 \div 0.05$ $\qquad$ 12. $581 \div 0.04$ $\qquad$
13. $3900 \div 0.08$ $\qquad$ 14. $207 \div 0.03$ $\qquad$ 15. $721 \div 0.25$ $\qquad$
16. A kitchen floor has an area of 48 square feet. One tile covers 0.75 square foot. How many tiles would be needed to cover the entire kitchen floor? $\qquad$
17. Mark says that to divide 58 by 0.65 , you only need to multiply both numbers by 10 because that will give you a whole number. Jan says you need to multiply both numbers by 100 . Who is correct and why?

