

Learning Goal #5

- Multiply and divide decimals by whole numbers (to 100ths)

• 9×0.6

so $9 \times 6 \div 10$

$= 54 \div 10$

$= 5.4$

★ divide by 10
move decimal to
left → one place

Think
 $0.6 = 6 \div 10$

• 3×0.25

so $3 \times 25 \div 100$

$= 75 \div 100$

$= 0.75$

Think
 $0.25 = 25 \div 100$

OR

#2 $3 \times \frac{25}{100}$

$0.25 = \frac{25}{100}$

#3 $3 \times \frac{1}{4}$
OR $0.25 = \frac{25}{100} = \frac{1}{4}$

$= 0.75$
so $3 \times \frac{1}{4}$

$= \frac{3}{4} = 0.75$