EXAMPLE #1

3.2 6 x 1 0 = 3.2.6 = 3 2.6

10 HAS ONE ZERO, WHICH TELLS YOU TO MOVE THE DECIMAL ONE PLACE TO THE **RIGHT**.

EXAMPLE #2

HAVE TO ADD 0'S

5 8 x 1 0 0 = 5 8.0 0 = 5,800

100 HAS TWO ZEROS, WHICH TELLS YOU TO MOVE THE DECIMAL TWO PLACES TO THE **RIGHT**.

BUT THERE IS NO DECIMAL IN SIGHT. IF YOU CAN'T SEE IT, IT'S ONE THE RIGHT.

DON'T NEED THE DECIMAL AT THE END.

DO YOU SEE THE NUMBERS GETTING BIGGER WHEN YOU MOVE THE DECIMAL TO THE RIGHT?

MULTIPLY.

0.12 x 100 = 12

2 ZEROS, S0 MOVE THE DECIMAL 2 PLACES.

3.42 x 10 = *34.2*   0.972 x 100 = *97.2*

0.045 x 10 = *0.45*   2.05 x 100 = *205*   3.3 x 10 = *33*

8.158 x 10 = *81.58*   0.0062 x 10 = *0.062*   34.68 x 100 = *3468*

0.079 x 100 = *7.9*   45.002 x 100 = *4500.2*   5.325 x 10 = *53.25*

6.7 x 100 = 670

NOT ENOUGH DIGITS, HAVE TO ADD A ZERO.

0.45 x 10 = *4.5*   86.7 x 100 = *8670*

0.029 x 10 = *0.29*   31.8 x 10 = *318*   0.001 x 100 = *0.1*

4 x 100 = 4.00

IF IT'S NOT IN SIGHT, IT'S ON THE RIGHT.

7.2 x 100 = *720*   2 x 10 = *20*

0.306 x 10 = *3.06*   57 x 10 = *570*   93 x 100 = *9300*

6.1 x 10 = *61*   0.483 x 100 = *48.3*   859 x 100 = *85900*

NOW TRY THESE.

5.1234 x 1,000 = *5123.4*   39.3 x 10,000 = *393000*

38 x 10,000 = *380000*   0.04 x 1,000 = *40*

DIVISION IS THE SAME AS MULTIPLICATION, BUT YOU MOVE THE DECIMAL IN THE OPPOSITE DIRECTION.

EXAMPLE #1

7 5.2 ÷ 1 0 = 7.5.2 = 7.5 2

10 HAS ONE ZERO, WHICH TELLS YOU TO MOVE THE DECIMAL ONE PLACE TO THE **LEFT**.

EXAMPLE #2

3 6 ÷ 1 0 0 = .3 6. = .3 6

100 HAS TWO ZEROS, WHICH TELLS YOU TO MOVE THE DECIMAL TWO PLACES TO THE **LEFT**.

REMEMBER, IF THERE'S NO DECIMAL, IT'S ON THE RIGHT.

DO YOU SEE THE NUMBERS GETTING SMALLER WHEN YOU MOVE THE DECIMAL TO THE LEFT?

DIVIDE.

49.1 ÷ 100 = .491

2 ZEROS, S0 MOVE THE DECIMAL 2 PLACES.

5.8 ÷ 10 = *0.58*   248.7 ÷ 100 = *2.487*

30.4 ÷ 10 = *3.04*   0.6 ÷ 10 = *0.06*   993.2 ÷ 100 = *9.932*

51.08 ÷ 100 = *0.5108*   2.47 ÷ 10 = *0.247*   0.53 ÷ 10 = *.053*

4.1 ÷ 10 = *0.41*   63.9 ÷ 100 = *0.639*   3784.8 ÷ 100 = *37.848*

7.3 ÷ 100 = .073

NOT ENOUGH DIGITS, HAVE TO ADD A ZERO.

123.4 ÷ 10 = *12.34*   0.9 ÷ 100 = *0.009*

8.25 ÷ 100 = *0.0825*   9.123 ÷ 100 = *0.09123*   1.9 ÷ 10 = *0.19*

32 ÷ 100 = .32

IF IT'S NOT IN SIGHT, IT'S ON THE RIGHT.

56 ÷ 10 = *5.6*   700 ÷ 10 = *70*

0.68 ÷ 10 = *0.068*   8 ÷ 100 = *0.08*   4.6 ÷ 100 = *0.046*

0.001 ÷ 10 = *0.0001*   5 ÷ 10 = *0.5*   392 ÷ 100 = *3.92*

NOW TRY THESE.

45 ÷ 10,000 = *0.0045*   0.004 ÷ 1,000 = *0.000004*

6.2 ÷ 1,000 = *0.0062*   123.654 ÷ 10,000 = *0.0123654*