MULTIPLYING DECIMALS BY 10's

EXAMPLE #1

4.5 6 × 1 0 = 4 . 5 . 6 = 45 . 6

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

DON'T NEED THE DECIMAL AT THE END

EXAMPLE #2

HAVE TO ADD 0'S

4 7 × 1 0 0 = 4 7 . 0 0 = 4,700

1 2

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.

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

MULTIPLY.

0 . 1 4 × 100 = 14

2 ZEROS, SO MOVE THE DECIMAL 2 PLACES

5.52 × 10 = _____

0.125 × 100 = _____

8.265 × 10 = _____

2.2 × 10 = _____

1.5978 × 100 = _____

2 5 × 100 = 250

NOT ENOUGH DIGITS, HAVE TO ADD A ZERO.

5.682 × 100 = _____

5 × 100 = 5. 0 0.

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

5.61 × 100 = _____

3.96 × 10 = _____

0.906 × 100 = _____

NOW TRY THESE.

6.2865 × 10,000 = _____

7.635 × 1000 = _____

2.296 × 100 = _____

4.3 × 100 = _____

3.9875 × 10,000 = _____

12.57 × 1000 = _____

DIVIDING DECIMALS BY 10'S

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

EXAMPLE #1

6 5 . 2 ÷ 1 0 = 6 . 5 . 2 = 6. 5 2

1

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

EXAMPLE #2

5 6 ÷ 100 = . 5 6 . = .5 6

2 1

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

2 3 . 1 ÷ 100 = .231

2 ZEROS , SO MOVE THE DECIMAL 2 PLACES

882.2 ÷ 100 = _____

0.52 ÷ 10 = _____

158.6 ÷ 100 = _____

48.2 ÷ 100 = _____

82.12 ÷ 10 = _____

NOW TRY THESE.

0.008 ÷ 1000 = _____

62 ÷ 10,000 = _____

0.001 ÷ 10 = _____

154.852 ÷ 10,000 = _____

8.4 ÷ 100 = _____

52.3 ÷ 100 = _____