Scientific Notation

Only 1 number can be infront of the decimal, move the decimal around until that's true.

Example: 1

Write 6, 224 in scientific notation.

6 2 2 4

We should move the decimal point 3 places to the left. So, the exponent will be 3.

6, 224 = **6.224×10^{3}**

Example: 2

Write 0.0087 in scientific notation.

0 0 0 8 7

We should move the decimal point 3 places to the right. So, the exponent will be -3.

0.0087 = **8.7×10^{-3}**

Express each number in scientific notation by putting the decimal in the correct place and adding the right exponent to the 10.

1) **0.0259** = **2 5 9 X 10**

2) **902** = **9 0 2 x 10**

3) **55,820.0** = **5 5 8 2 X 10**

4) **0.0315** = **3 1 5 x 10**

5) **0.00973** = **9 7 3 x 10**

6) **1,000.6** = **1 0 0 0 6 x 10**

7) **856** = **8 5 6 x 10**

8) **0.2058** = **2 0 5 8 x 10**

9) **0.00072** = **7 2 x 10**

10) **5,008** = **5 0 0 8 x 10**

11) **0.001216** = **1 2 1 6 x 10**

12) **0.00145** = **1 4 5 x 10**

13) **7,591.9** = **7 5 9 1 9 x 10**

14) **0.12** = **1 2 x 10**

LIVEWORKSHEETS