

Name: _____

Introduction to Significant Figures

Practice 2: How many significant figures do the following numbers have?

- | | |
|-------------------------------------|----------|
| 1) <u>1234</u> | <u>4</u> |
| 2) <u>0.023</u> xx-- | <u>2</u> |
| 3) <u>890</u> --x | <u>2</u> |
| 4) <u>91010</u> -----x | <u>4</u> |
| 5) <u>9010.0</u> | <u>5</u> |
| 6) <u>1090.0010</u> | <u>8</u> |
| 7) <u>0.00120</u> xxx-- | <u>3</u> |
| 8) <u>3.4 x 10⁴</u> | <u>2</u> |
| 9) <u>9.0 x 10⁻³</u> | <u>2</u> |
| 10) <u>9.010 x 10⁻²</u> | <u>4</u> |
| 11) <u>0.00030</u> xxxx-- | <u>2</u> |
| 12) <u>1020010</u> -----x | <u>6</u> |
| 13) <u>780.</u> | <u>3</u> |
| 14) <u>1000</u> xxx | <u>1</u> |
| 15) <u>918.010</u> | <u>6</u> |
| 16) <u>0.00091</u> xxxx-- | <u>2</u> |
| 17) <u>0.00390</u> xxx-- | <u>3</u> |
| 18) <u>8120</u> --x | <u>3</u> |
| 19) <u>7.991 x 10⁻¹⁰</u> | <u>4</u> |
| 20) <u>72</u> | <u>2</u> |

SIGNIFICANT FIGURES

NON ZERO DIGITS

ZEROES B/W NONZEROS (SANDWICHED)

TRAILING ZEROES WITH A DECIMAL

NONSIGNIFICANT FIGURES

LEADING ZEROES

TRAILING ZEROES WITH NO DECIMAL