

Name: _____

Date: _____ Score: _____

Significant Figures Practice Worksheet

① Round the given numbers to one significant figure.

- | | | |
|----------------|----------------|----------------|
| a) 588 _____ | b) 52.8 _____ | c) 182 _____ |
| d) 3.944 _____ | e) 1829 _____ | f) 1.923 _____ |
| g) 3021 _____ | h) 71.61 _____ | i) 0.192 _____ |
| j) 5128 _____ | k) 766 _____ | l) 0.67 _____ |

② Round the given numbers to two significant figures.

- | | | |
|----------------|----------------|----------------|
| a) 2187 _____ | b) 12.8 _____ | c) 707 _____ |
| d) 4.093 _____ | e) 2.038 _____ | f) 0.456 _____ |
| g) 841 _____ | h) 129 _____ | i) 31.25 _____ |
| j) 7024 _____ | k) 6255 _____ | l) 278 _____ |

③ Complete the following problems and round to the correct number of significant figures.

- | | |
|------------------------------|------------------------------|
| a) $13.7 + 25.466 =$ _____ | b) $19.117 - 8.11 =$ _____ |
| c) $1.1 \times 3.25 =$ _____ | d) $31.66 \div 0.02 =$ _____ |
| e) $12.7 - 5.23 =$ _____ | f) $18.26 \div 0.6 =$ _____ |

Name: _____

Date: _____ Score: _____

Significant Figures Practice Worksheet

①

Answers

- | | | |
|---------------------|---------------------|---------------------|
| a) 588 <u>600</u> | b) 52.8 <u>50</u> | c) 182 <u>200</u> |
| d) 3.944 <u>4</u> | e) 1829 <u>2000</u> | f) 1.923 <u>2</u> |
| g) 3021 <u>3000</u> | h) 71.61 <u>70</u> | i) 0.192 <u>0.2</u> |
| j) 5128 <u>5000</u> | k) 766 <u>800</u> | l) 0.67 <u>0.7</u> |

②

Answers

- | | | |
|---------------------|---------------------|----------------------|
| a) 2187 <u>2200</u> | b) 12.8 <u>13</u> | c) 707 <u>710</u> |
| d) 4.093 <u>4.1</u> | e) 2.038 <u>2</u> | f) 0.456 <u>0.46</u> |
| g) 841 <u>840</u> | h) 129 <u>130</u> | i) 31.25 <u>31</u> |
| j) 7024 <u>7000</u> | k) 6255 <u>6300</u> | l) 278 <u>280</u> |

③

Answers

- | | |
|--|---|
| a) $13.7 + 25.466 = \underline{39.2}$ | b) $19.117 - 8.11 = \underline{11.01}$ |
| c) $1.1 \times 3.25 = \underline{3.6}$ | d) $31.66 \div 0.02 = \underline{2000}$ |
| e) $12.7 - 5.23 = \underline{7.47}$ | f) $18.26 \div 0.6 = \underline{30}$ |