

Name _____

Round these numbers to the....

1. the hundredths place: 23.96789 m² _____

2. the tens place: 346.0987 nm _____

Round these numbers to.....

3. 4 significant figures: 346.0987 nm _____

4. 2 significant figures: 346.0987 nm _____

5. 1 sig fig: 346.0987 nm _____

6. Write the number 43.6789 cm showing that the “guess” is at the hundredths place: _____

7. . Write the number 8732.3 mm showing that the “guess” is at the tens place: _____

8. How many significant digits are in the following numbers?

a. 5897 _____

f. 1.910×10^{-23} _____

b. 355.60 _____

g. 20.030 _____

c. 9082 _____

h. 7×10^{23} _____

d. 0.00731 _____

i. 89.0 _____

e. 1.00731 _____

j. 890 _____

9. Please convert:

a. 12 mm to cm

d. 545 nm to cm (look up what the “n” prefix is)

b. 375.4 mg to kg

c. 3.4×10^{-12} cm to km