Sig Fig Calculation Notes

+/− • Round the answer to the same # of places as the least precise measurement

×/÷ • Round the answer to the least # of sig figs in the problem

Combo • Round after all calculations are done
- Make a note of sig figs after each step
- follow PEMDAS

Examples

4 S.F. (3 S.F.)

[1] 14.82 cm × 0.0291 cm

= 0.431262 (cm × cm)

= **0.431 cm²**

# of S.F.

[2] 14.82 in + 0.0291 in

```
  14.82
+ 0.0291
---------
  14.8491
```

= **14.85 in²**

Places

[3] 42.600 cm² − 0.05918 cm²

```
  42.600
− 0.05918
----------
  42.54082
```

= **42.541 cm²**

Places

3 S.F. (2 S.F.)

[4] 176 g ÷ 25 cm³

= 7.04 (g ÷ cm³)

= **7.0 g/cm³**

# of S.F.

[5] 520 cm + 9 cm

```
  520
+   9
-----
  529
```

= **530 cm**

Places

4 S.F. 4 S.F.

[6] 2.51 + 73.18 × 9.406

688.33108

4 S.F.

```
   2.51
+688.33108
----------
690.84108
```

= **690.8**

Combo