

Math with Significant Figures

Addition and Subtraction with Significant figures

RULE: When adding or subtracting, your answer must show as many decimal places as the measurement having the fewest number of decimal places.

1) $8.20 + 2 =$

2) $13.59 + 23.25 + 20 =$

3) $42.828 + 67.4629 =$

4) $53.4028 - 14 =$

5) $39.3 - 0.804 =$

6) $91.68 - 19.1 =$

Multiplication and Division with Significant Figures

RULE: When multiplying or dividing, your answer may only show as many significant digits as the multiplied or divided measurement showing the least number of significant digits.

1) $7.6 \times 21.9 =$

2) $2.15 \times 3.1 \times 100 =$

3) $5.00009 \times 0.06 =$

4) $38 / 7 =$

5) $500\,009 / 17.000 =$

6) $500\,000 / 5.002 =$