

# Unit Cancellation

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**Evaluate and simply the units:**

1.  $31 \text{ burritos} \times \frac{3 \text{ persons}}{2 \text{ burritos}}$

2.  $57 \text{ mi} \times \frac{3 \text{ pikachus}}{1 \text{ mi}}$

3.  $3T \times 200m^{-2} \times \frac{1m}{100cm} \times \frac{1m}{100cm}$

4.  $\frac{3.2m}{2.1s} \times \frac{1km}{1000m} \times \frac{30s}{1kg}$

5.  $20kg \times \frac{1000g}{1kg} \times 4L \times 3.4s^{-2}$

6.  $\frac{40mg}{50mg} \times 30L^{-1} \times 30kg$

### Answers

1. 46.5 persons
2. 171 pikachus
3.  $.06\ T/cm^2$
4.  $0.0457\ km/kg$
5.  $272,000\ gL/s^2$
6.  $720\ kg/L$