

Simplify.

1.  $\frac{8}{3} * \frac{5}{12} * \frac{3}{10}$

Solve for x.

2.  $\frac{x-5}{2} = 4$

Solve the proportions. Show your work.

3.  $\frac{5x}{27} = \frac{4}{3}$

4.  $\frac{5}{4} = \frac{x+6}{9}$

Simplify using the order of operations. Show your work.

5.  $8 \div (12 - 9 + 1)$

6.  $(19 - 15)^2 \div 8 * 3$

Name an appropriate unit of measurement.

7. The circumference of the sun

8. The weight of a pencil

Solve using dimensional analysis.

9. A condor has the wingspan of 3.05 meters. What is that in feet?

10. The world's largest gingerbread village weighs 48,000 ounces. How much is that in tons?