

Simplify.

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

Solve for x.

2. $\frac{x-5}{2} = 4$
 $x = 13$

Solve the proportions. Show your work.

3. $\frac{5x}{27} = \frac{4}{3}$ $x = 7.2$

4. $\frac{5}{4} = \frac{x+6}{9}$
 $x = 5.25$

Simplify using the order of operations. Show your work.

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

2

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

6

Name an appropriate unit of measurement.

7. The circumference of the sun

miles

8. The weight of a pencil

grams

Solve using dimensional analysis.

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

10.1 ft.

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

1.5 Tons