

Math 70 Quiz #1 Answers

1. $\frac{72}{5} = \boxed{14\frac{2}{5}}$ (Dividing 72 by 5 gives you 14 with a remainder of 2)

2. $\frac{\text{Number of brownies}}{\text{Total baked goods}} = \frac{25}{55} = \boxed{\frac{5}{11}}$

3. (a) $\frac{7}{16} + \frac{5}{8} = \frac{7}{16} + \frac{10}{16} = \boxed{\frac{17}{16} \text{ or } 1\frac{1}{16}}$

(b) $3\frac{1}{8} - \frac{3}{10} = \frac{25}{8} - \frac{3}{10} = \frac{125}{40} - \frac{12}{40} = \boxed{\frac{113}{40} \text{ or } 2\frac{33}{40}}$ (80 would work as a common denom. as well.)

(c) $\frac{4}{13} \times 1\frac{3}{8} = \frac{4}{13} \times \frac{11}{8} = \frac{44}{104} = \boxed{\frac{11}{26}}$ (Can also simplify before multiplying.)

(d) $\frac{10}{6} \times \frac{12}{25} = \frac{120}{150} = \boxed{\frac{4}{9}}$

(e) $\frac{9}{8} \div \frac{2}{3} = \frac{9}{8} \times \frac{3}{2} = \boxed{\frac{27}{16} \text{ or } 1\frac{11}{16}}$

(f) $\frac{6}{11} \div 3 = \frac{6}{11} \times \frac{1}{3} = \boxed{\frac{2}{11}}$