

Math 6
Assignment 7
March 4, 2017

Name and section: _____

1. Calculation. Make sure to simplify your final answers.

(a) $\frac{3}{2} \times \frac{4}{5} =$

(g) $\frac{9}{5} \times \frac{6}{5} =$

(b) $\frac{7}{2} \times \frac{4}{5} =$

(h) $\frac{3}{2} \times \frac{8}{18} =$

(c) $\frac{15}{2} \times \frac{4}{5} =$

(i) $\frac{5}{6} \times \frac{6}{5} =$

(d) $\frac{6}{7} \times \frac{3}{14} =$

(j) $\frac{4}{5} \times \frac{5}{4} =$

(e) $\frac{1}{2} \times \frac{1}{3} =$

(k) $8 \times \frac{7}{8} =$

(f) $\frac{1}{2} \times \frac{1}{3} =$

(l) $20 \times \frac{5}{4} =$

2. Calculation. Make sure to simplify your final answer.

(a) $\frac{3}{2} \div \frac{5}{4} =$

(f) $12 \div \frac{4}{3} =$

(b) $\frac{2}{7} \div \frac{4}{5} =$

(g) $12 \div \frac{3}{4} =$

(c) $\frac{15}{2} \div \frac{4}{5} =$

(h) $4 \div \frac{3}{12} =$

(d) $4 \div \frac{9}{2} =$

(i) $\frac{4}{12} \div 2 =$

(e) $5 \div \frac{3}{15} =$

3. (a) How many $\frac{2}{3}$'s are in $\frac{6}{3}$?

(b) How many $\frac{2}{3}$'s are in $\frac{3}{2}$? (Hint: the answer might be a fraction)

4. How long is something if it's $\frac{5}{3}$ times longer than $\frac{1}{2}$ m?

5. John serves an apple pie at his house-warming party. His guest, Ming, first took $\frac{1}{2}$ of the freshly baked pie, then came back a second time and took $\frac{1}{3}$ of what was left.

(a) How much pie did Ming take the second time?

(b) How much more pie did Ming take the first time than the second time?

(c) How much pie did Ming take in total?

(d) Ming still wants $\frac{2}{5}$ of a whole pie. Assuming only she has been eating the pie, are there enough pie left?