Multiplying with Fractions (Non- Calc)
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For each of the following, find the answer as a proper fraction in its simplest form or mixed number in its simplest form. You must show full workings and not use a calculator.

(1) $\frac{2}{3} \times \frac{4}{5}$ (2) $\frac{5}{7} \times \frac{1}{3}$ (3) $\frac{3}{5} \times \frac{10}{11}$

(4) $\frac{8}{9} \times \frac{3}{4}$ (5) $\frac{3}{7} \times \frac{5}{3}$ (6) $\frac{4}{5} \times \frac{10}{3}$

(7) Find $\frac{3}{8}$ of 32

(8) Find $\frac{4}{5}$ of $\frac{7}{8}$

(9) Evaluate $6 \times \frac{4}{5}$

Find the value of each of the following giving your answer either as a simplified proper fraction or mixed number without a calculator.

(10) $1\frac{2}{3} \times \frac{4}{5}$

(11) $2\frac{1}{4} \times 3\frac{1}{2}$

(12) $4 \times 3\frac{2}{5}$

(13) Find $3\frac{3}{7}$ of $1\frac{1}{4}$

(14) Fred has $\frac{3}{8}$ of a cake. He eats $\frac{2}{3}$ of this piece of cake. How much of the **TOTAL** cake has he eaten?

Dividing with Fractions (Non- Calc)
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For each of the following, find the answer as a proper fraction in its simplest form or mixed number in its simplest form. You must show full workings and not use a calculator.

(1) $\frac{1}{3} \div \frac{8}{9}$ (2) $\frac{2}{7} \div \frac{1}{3}$ (3) $\frac{3}{8} \div \frac{6}{7}$

(4) $\frac{3}{11} \div \frac{6}{11}$ (5) $\frac{1}{7} \div \frac{2}{3}$ (6) $\frac{5}{3} \div \frac{2}{15}$

(7) Find $3 \div \frac{4}{7}$ giving your answer as a mixed number in its simplest form.

(8) Calculate $2\frac{1}{5} \div 8$

(9) Find $3\frac{3}{5} \div 2\frac{1}{7}$

(10) Evaluate $1\frac{3}{4} \div 2$

(11) Find the value of $5\frac{1}{2} \div 2\frac{2}{3}$

(12) Without a calculator, show that

$$\frac{\left(2\frac{2}{3}\right)}{\left(1\frac{1}{7}\right)} = 2\frac{1}{3}$$

(13) John has a length of wood that is $6m$. He wants to cut pieces from wood of length $\frac{3}{8}m$. How many pieces can he cut from the wood, and will he have any wood left over?