Multiplying and Dividing Fraction Word Problems

First: - Take up #s 24, 28 & 32 from the HW

\[
1 \frac{3}{5} \div 2 \frac{7}{10} \\
= \frac{8}{5} \div \frac{27}{10} \\
= \frac{8}{5} \times \frac{27}{27} \\
= \frac{8 \times 2}{1 \times 27} \\
= \frac{16}{27}
\]

The reciprocal of \( \frac{27}{10} \) you flip it upside down.

We now treat this as a multiplication.
\[ \frac{12\ \frac{1}{2}}{4\ \frac{3}{8}} = \frac{25}{2} \div \frac{35}{8} \]

\[ = \frac{5 \times 4}{1 \times 7} \]

\[ = \frac{20}{7} = 2 \frac{6}{7} \]

\[ 3 \ \frac{1}{4} \div 1 \ \frac{5}{21} = \frac{22}{7} \div \frac{26}{21} \]

\[ = \frac{11 \times 3}{1 \times 13} \]

\[ = \frac{33}{13} = 2 \frac{7}{13} \]
Practice - Homework Questions

From the handout can you do

#s 3, 5, 7, 15, 18, 20, 22, 23, 25 & 26

Note: £ is like $ (it is the currency in the UK)

Depreciation means losing value

Another way to find a fraction of a whole number is to...

\[
\frac{\text{Amount}}{\text{Denominator}} \times \text{Numerator}
\]