|  | $2 \frac{1}{10} \div 1 \frac{13}{15}$ | First, we must always convert any mixed numbers into improper fractions. |
| :---: | :---: | :---: |
|  | $=\frac{21}{10} \div \frac{28}{15}$ | $\leftarrow$ Remember: it's the whole number times the denominator plus the numerator. |
|  | $=\frac{21}{10} \times \frac{15}{28}$ | $\leftarrow$ To divide, we multiply by the reciprocal (upside-down) of the $2^{\text {nd }}$ fraction. |
|  | $=\frac{3}{2} \times \frac{3}{4}$ | $\leftarrow$ Always simplify before multiplying. In this example, $\frac{21}{28}=\frac{3}{4}$ and $\frac{15}{10}=\frac{3}{2}$ |
|  | $=\frac{9}{8}$ | $\leftarrow$ Multiply the numerators and denominators separately. |
|  | $=1 \frac{1}{8}$ | $\leftarrow$ If your answer is improper, convert it to a mixed number. |

Q1 Simple questions with no mixed numbers. Remember to simplify before multiplying, if possible.
a) $\frac{1}{4} \div \frac{1}{2}$
b) $\frac{1}{2} \div \frac{2}{3}$
C) $\frac{1}{4} \div \frac{2}{5}$
d) $\frac{3}{5} \div \frac{2}{3}$
e) $\frac{1}{6} \div \frac{2}{3}$
f) $\frac{2}{3} \div \frac{5}{6}$

Q2 These questions have one mixed number to convert to an improper fraction.
a) $\frac{2}{5} \div 1 \frac{1}{3}$
b) $1 \frac{1}{2} \div \frac{3}{5}$
c) $\frac{3}{4} \div 2 \frac{1}{2}$
d) $1 \frac{3}{4} \div \frac{7}{8}$
e) $\frac{4}{5} \div 1 \frac{3}{10}$
f) $3 \frac{1}{2} \div \frac{4}{5}$

Q3 These questions involve mixed numbers. They need quite a lot of simplifying before multiplying.
a) $4 \frac{2}{3} \div 2 \frac{11}{12}$
b) $1 \frac{7}{25} \div 2 \frac{2}{5}$
c) $4 \frac{2}{3} \div 1 \frac{1}{27}$
d) $1 \frac{3}{10} \div 5 \frac{1}{5}$
e) $1 \frac{7}{8} \div 1 \frac{11}{24}$
f) $13 \frac{1}{3} \div 2 \frac{2}{9}$

Q4 These questions involve a whole number. Write it over 1 and use the same method as above.
a) $4 \div \frac{8}{9}$
b) $3 \frac{1}{4} \div 3$
c) $9 \div 3 \frac{6}{7}$

Q5 Various question types.
a) $2 \frac{4}{9} \div 2 \frac{3}{4}$
b) $4 \div 2 \frac{3}{5}$
c) $5 \frac{1}{6} \div \frac{7}{9}$
d) $\frac{8}{11} \div \frac{4}{33}$
e) $1 \frac{13}{14} \div 7 \frac{5}{7}$
f) $5 \frac{3}{4} \div 3 \frac{2}{7}$

