Single-topic practice questions

Key Stage 2

Mathematics

Four Rules of Fractions & Mixed Numbers

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DFE number						

1 $\frac{1}{3} + \frac{1}{4} = \frac{4}{12} + \frac{3}{12} = \frac{7}{12}$

denominators need to be the same.

3 → 3, 6, 9, (12)

4 → 4, 8, (12)

$\frac{1}{3} \xrightarrow{\times 4} \frac{4}{12}$

$\frac{1}{4} \xrightarrow{\times 3} \frac{3}{12}$

$\frac{7}{12}$

1 mark

2 $\frac{2}{3} - \frac{1}{4} =$

1 mark

3 $\frac{2}{3} \times \frac{4}{7} =$

$\frac{2}{3} \times \frac{4}{7}$

$2 \times 4 = 8$

$3 \times 7 = 21$

$\frac{8}{21}$

1 mark

4 $\frac{20}{3} \div \frac{4}{1} =$ (Keep, Change, Flip)

Keep
Change
Flip

$\frac{20}{3} \times \frac{1}{4} = \frac{20}{12}$ — How many 12s in 20 = 1 8 left 12 over.

$1\frac{8}{12} \xrightarrow{\div 4} 1\frac{2}{3}$

simplify — factors

12: 1, 12, 2, 6, 3, 4

8: 1, 8, 2, 4

$\frac{20}{12}$ or $1\frac{8}{12}$

could simplify this to $1\frac{2}{3}$

1 mark

5 $\frac{2}{5} + \frac{1}{6} =$

1 mark

6 $\frac{2}{5} - \frac{1}{6} =$

1 mark

7 $\frac{3}{5} \times \frac{2}{3} =$

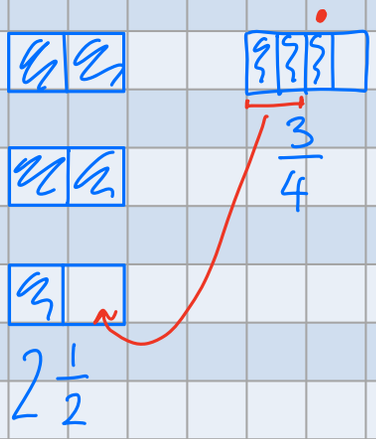
1 mark

8 $\frac{3}{5} \div 2 =$

1 mark

9 $2\frac{1}{2} + \frac{3}{4} =$

Change denominators or, draw out



Now, there's 3 wholes and $\frac{1}{4}$ left over

$3\frac{1}{4}$

1 mark

10 $3\frac{2}{5} - \frac{1}{6} =$

3 whole ones

1 mark

11 $1\frac{3}{5} \times 2\frac{2}{3} =$

Convert into improper fraction

1 mark

12 $1\frac{5}{12} \div 3 =$

Convert into an improper fraction.

1 mark