5. Show that \( \frac{5}{6} - \frac{3}{4} = \frac{1}{12} \)

Jan 2013 4H Paper

6. \( \frac{5}{9} \) of the students in a group are male.

\( \frac{5}{6} \) of the female students in the group are right-handed.

(a) Work out the fraction of students in the group who are right-handed females.

(b) Find the smallest possible number of students in the group.

June 2013 3HR Paper

5. Show that \( \frac{4}{9} - \frac{1}{6} = \frac{5}{18} \)
Fractions IGCSE Higher Tier Exam Questions

June 2014 3H Paper

2. Show that \( \frac{4}{9} \div \frac{5}{6} = \frac{8}{15} \)

Jan 2015 3HR Paper

9. Show that \( 7 \frac{1}{2} - 4 \frac{2}{3} = 2 \frac{5}{6} \)

Jan 2016 3H Paper

3. Show that \( \frac{3}{8} + \frac{7}{12} = \frac{9}{14} \)
Fractions IGCSE Higher Tier Exam Questions

Jan 2016 4HR Paper

3. Show that \( \frac{3}{4} + \frac{4}{5} = 1 \frac{11}{20} \)

June 2016 3H Paper

6. (a) Show that \( \frac{3}{10} + \frac{2}{15} = \frac{13}{30} \)

(b) Show that \( 2 \frac{5}{8} + 1 \frac{1}{6} = 2 \frac{1}{4} \)

Nov 2010 3H Paper

5. (a) Show that \( \frac{6}{7} \div 4 = \frac{3}{14} \)

(b) Show that \( 3 \frac{2}{5} - 1 \frac{2}{3} = 1 \frac{11}{15} \)
Fractions IGCSE Higher Tier Exam Questions

June 2010 3H Paper

5. (a) \( \frac{3}{10} \) of the members of a tennis club are men.

\( \frac{5}{6} \) of these men are right-handed.

Work out the fraction of the members of the tennis club who are right-handed men.

(b) \( \frac{7}{12} \) of the members of a badminton club are women.

\( \frac{3}{8} \) of the members of the badminton club wear glasses.

Work out the smallest possible number of members of the badminton club.

June 2010 4H Paper

8. Show that \( \frac{1 1}{2} \div \frac{1 1}{4} = \frac{1 1}{5} \)

Nov 2009 3H Paper

1. Show that \( \frac{2}{3} + \frac{1}{5} = \frac{13}{15} \)
Fractions IGCSE Higher Tier Exam Questions

June 2009 4H Paper

1. Show that \( \frac{2}{3} \div \frac{5}{9} = 1 \frac{1}{5} \)

Nov 2008 3H Paper

7. Show that \( \frac{2}{5} \div \frac{4}{7} = \frac{7}{10} \)

May 2008 4H Paper

6. Show that \( \frac{2}{3} + \frac{1}{4} = \frac{11}{12} \)
21. \( \frac{1}{3} \) of the people in a club are men.

The number of men in the club is \( n \).

(a) Write down an expression, in terms of \( n \), for the number of people in the club.

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Two of the people in the club are chosen at random.

The probability that both these people are men is \( \frac{1}{10} \)

(b) Calculate the number of people in the club.

June 2006 3H Paper

6. (a) Work out \( \frac{2}{15} \times 6 \)

Give your answer as a fraction in its simplest form.

(b) Work out \( 2\frac{2}{3} + \frac{5}{6} \)

Give your answer as a mixed number in its simplest form.
3. Work out $\frac{5}{6} - \frac{4}{9}$

Give your answer as a fraction in its simplest form.

Nov 2004 4H Paper

3. (a) Nikos drinks $\frac{2}{3}$ of a litre of orange juice each day.
    How many litres does Nikos drink in 5 days?
    Give your answer as a mixed number.

(b) (i) Find the lowest common multiple of 4 and 6.

(ii) Work out $3\frac{3}{4} + 2\frac{5}{6}$.
    Give your answer as a mixed number.
    You must show all your working.
7. Work out \(2\frac{2}{5} \times 1\frac{7}{8}\)

Give your answer as a mixed number in its simplest form.

June 2012 4H Paper

5  (a) Show that \(\frac{4}{5} \div \frac{7}{15} = 1\frac{5}{7}\)

(b) Show that \(5\frac{1}{4} - 1\frac{2}{3} = 3\frac{7}{12}\)
23 Write \( 5 - (x + 2) \div \left( \frac{x^2 - 4}{x - 3} \right) \) as a single fraction.
Simplify your answer fully.

20 Express \( \frac{3}{x + 2} - \frac{6}{2x + 5} \) as a single fraction.
Simplify your answer.