



Education Consultancy

Edexcel GCSE Mathematics FRACTIONS

Materials Required:

- Pen - HB Pencil - Ruler (in centimetres and millimetres) - Protractor - Compass

Information:

 The marks allocated for each question are displayed within brackets – utilise this information to gauge the appropriate amount of time to dedicate to each question
 Questions marked with an asterisk (*) will assess your written communication; be careful of spelling, punctuation and grammar with these questions

Instructions:

Use a black ink pen to answer all questions
Fill your name in the section below
Answer the questions in the spaces provided
Show your working out for all answers

Advice:

 Carefully read the question before attempting to answer it
 Be vary of time and try to answer every

question - If you have enough time in the end, go back and check your answers. A good way to check your answers is to retry the question with the hope of getting the same answer as before without looking at your working out from before

NO CALCULATOR ALLOWED

NAME:

1. Work out $\frac{2}{5} + \frac{1}{7}$

$$\frac{2}{5} + \frac{1}{7} = \frac{14}{35} + \frac{5}{35} = \frac{19}{35}$$

19/35 (Total 2 marks)

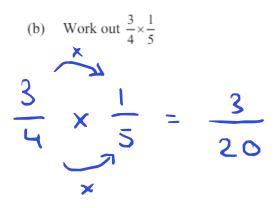
2. Work out
$$\frac{2}{3} + \frac{1}{5}$$

 $\frac{2}{3} + \frac{1}{5} = \frac{10}{15} + \frac{3}{15} = \frac{13}{15}$
3. Work out $\frac{11}{12} - \frac{5}{6}$
 $\frac{11}{12} - \frac{5}{6} = \frac{66}{72} - \frac{60}{72} = \frac{6}{72} = \frac{1}{12}$

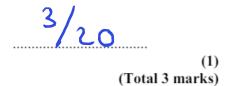
1/12 (Total 2 marks)

4. (a) Work out
$$\frac{1}{3} + \frac{1}{12}$$

 $\frac{1}{3} + \frac{1}{12} = \frac{12}{36} + \frac{3}{36} = \frac{15}{36} = \frac{5}{12}$



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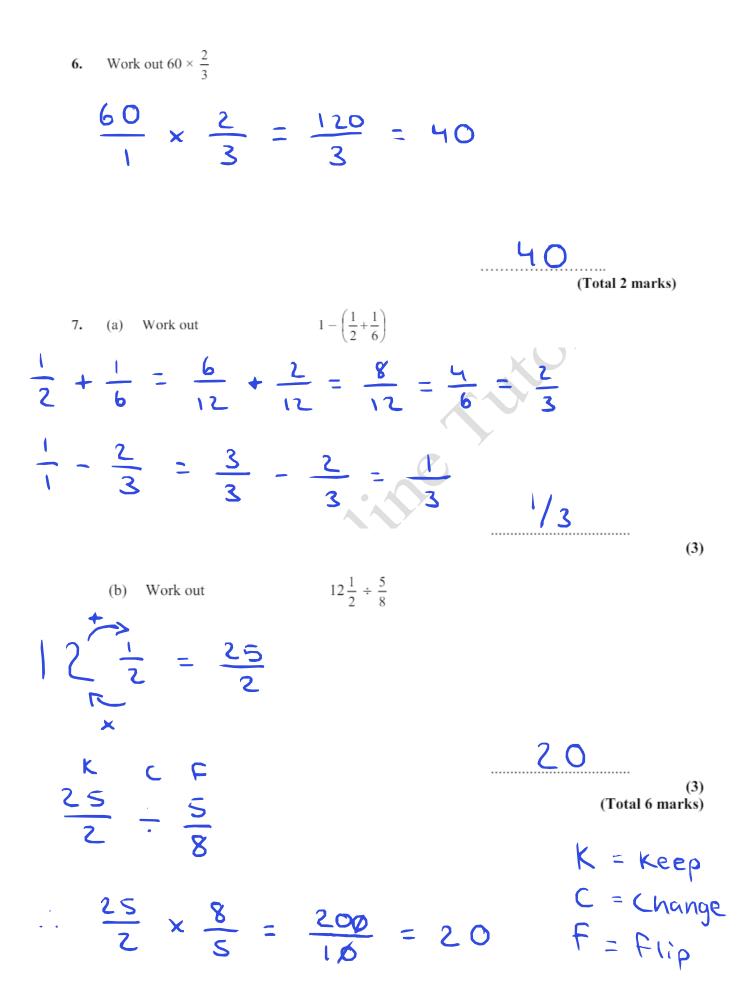


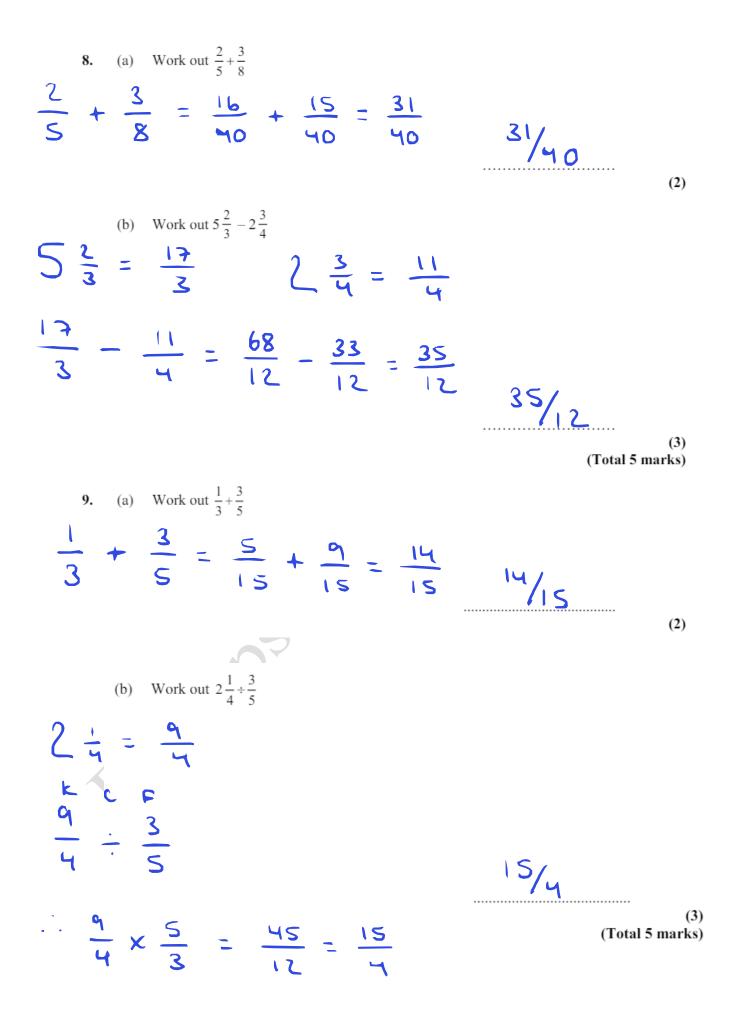
Work out the value of $\frac{2}{3} \times \frac{3}{4}$ 5. Give your answer as a fraction in its simplest form.

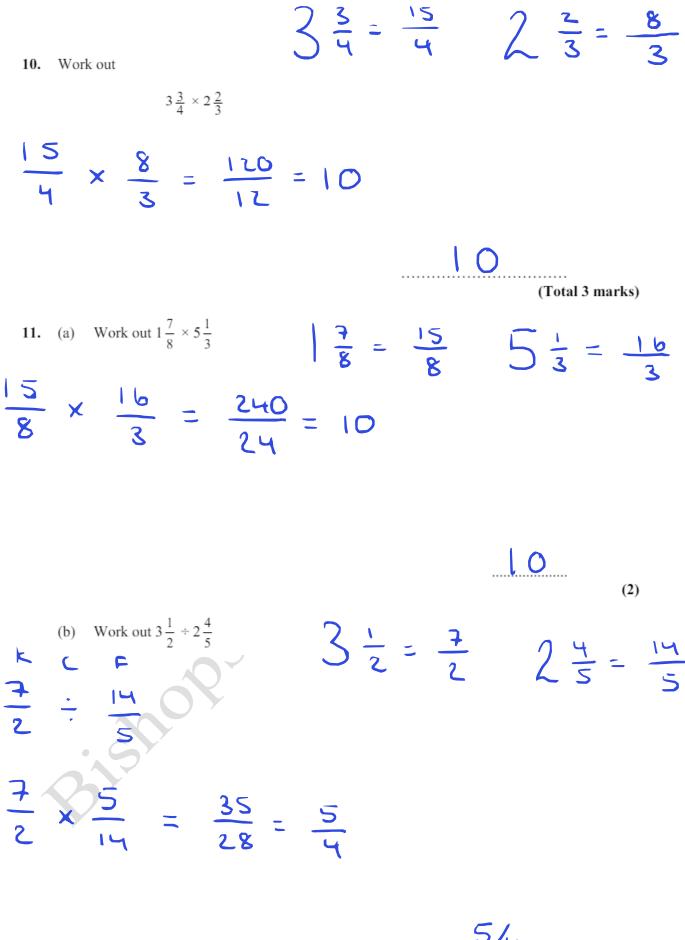
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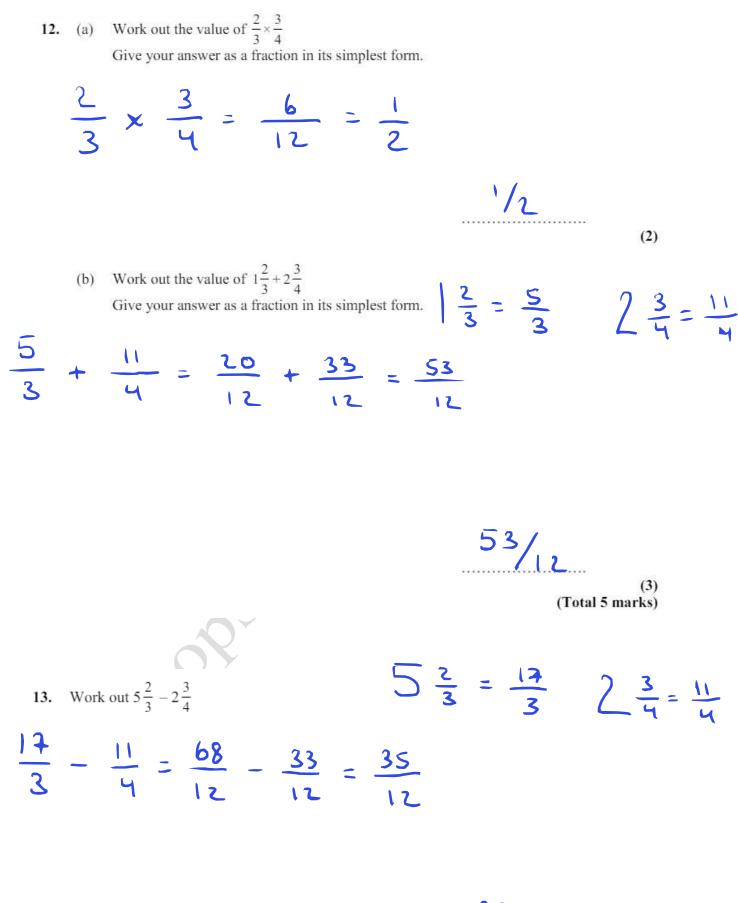
1/2 (Total 2 marks)





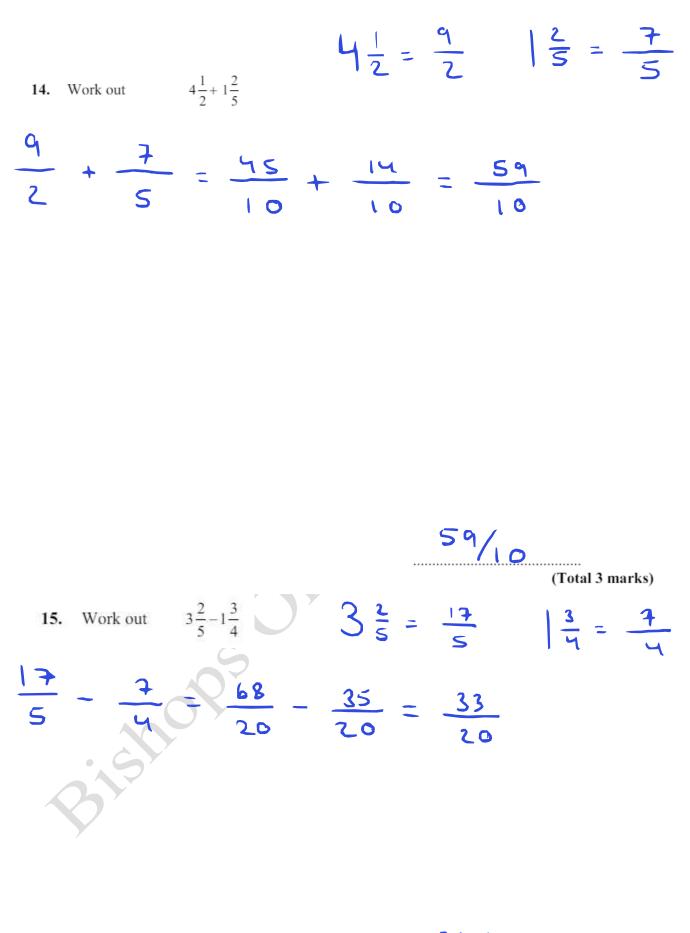


5/4 (2)(Total 4 marks)



35/12

(Total 3 marks)



33/20 (Total 3 marks)