Name

Class

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Fractions (9 – 1) Topic booklet

HIGHER

These questions have been collated from previous years GCSE Mathematics papers.

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser.

Total Marks

Instructions

•Use **black** ink or ball-point pen.

•Fill in the boxes at the top of this page with your name, centre number and candidate number.

- •Answer all questions.
- Answer the questions in the spaces provided
- there may be more space than you need.

•Diagrams are NOT accurately drawn, unless otherwise indicated.

•You must show all your working out.

•If the question is a **1F** question you are not allowed to use a calculator.

•If the question is a 2F or a 3F question, you may use a calculator to help you answer.

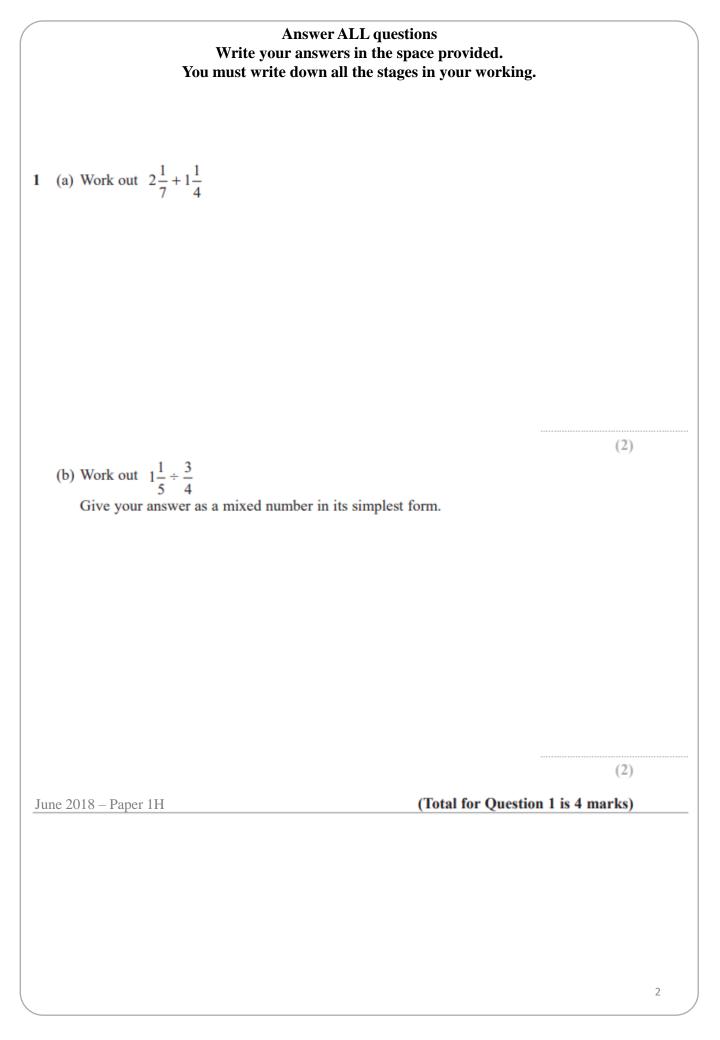
Information

•The marks for each question are shown in brackets

- use this as a guide as to how much time to spend on each question.

Advice

- •Read each question carefully before you start to answer it.
- •Keep an eye on the time.
- •Try to answer every question.
- •Check your answers if you have time at the end.



2 Show that
$$2\frac{1}{3} \times 3\frac{3}{4} = 8\frac{3}{4}$$

November 2020 – Paper 1H (Total for Question 2 is 3 marks)

2 (a) Work out $1\frac{3}{5} + 2\frac{1}{4}$ Give your answer as a mixed number. (b) Show that $2\frac{2}{3} \div 6 = \frac{4}{9}$ November 2022 – Paper 1H (Total for Question 2 is 4 marks)

(2)

(2)

3 Work out $4\frac{1}{5} - 2\frac{2}{3}$

Give your answer as a mixed number.

November 2021 – Paper 1H

(Total for Question 3 is 3 marks)

3 The table shows some information about the	ne dress sizes of 25 women.
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Dress size	Number of women
8	2
10	9
12	8
14	6

(a) Find the median dress size.

3 of the 25 women have a shoe size of 7

Zoe says that if you choose at random one of the 25 women, the probability that she has either a shoe size of 7 or a dress size of 14 is $\frac{9}{25}$ because

$$\frac{3}{25} + \frac{6}{25} = \frac{9}{25}$$

(b) Is Zoe correct? You must give a reason for your answer.

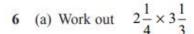
(1)

(1)

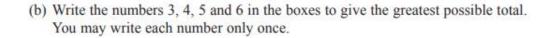
June 2017 – Paper 3H

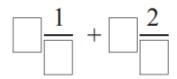
(Total for Question 3 is 2 marks)

6



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





Specimen 2 – Paper 1H

(Total for Question 6 is 4 marks)

(3)

(1)

9 Work out $3\frac{1}{2} \times 1\frac{3}{5}$ Give your answer as a mixed number in its simplest form.

June 2019 – Paper 1H

(Total for Question 9 is 3 marks)