Name

Class

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Fractions (9 – 1) Topic booklet

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.

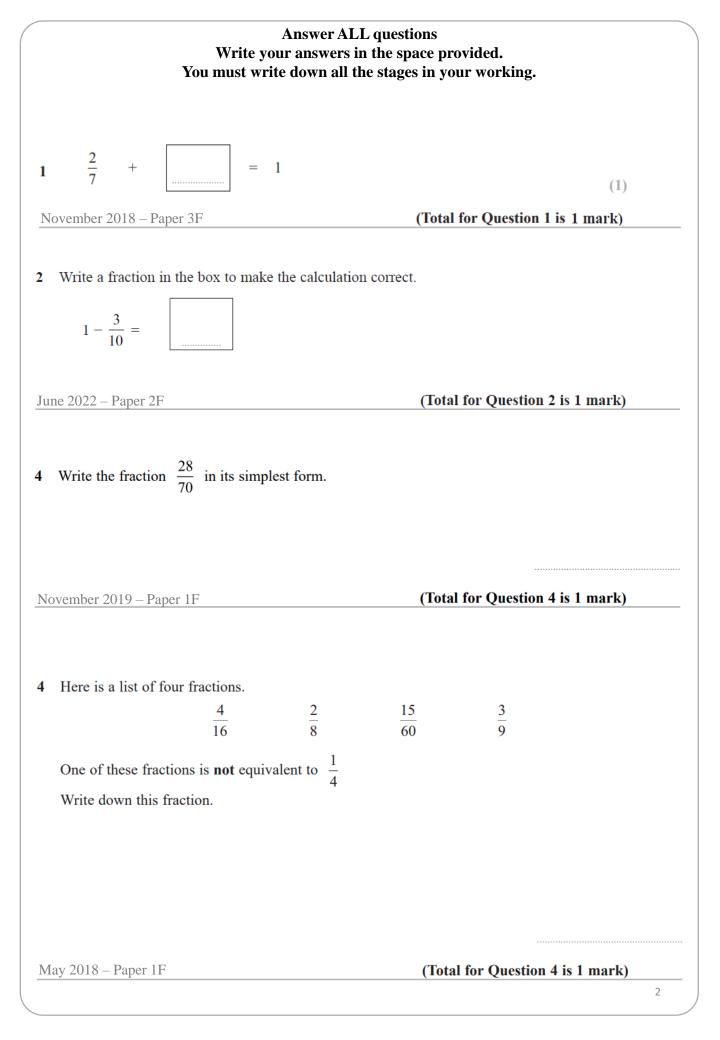
Information

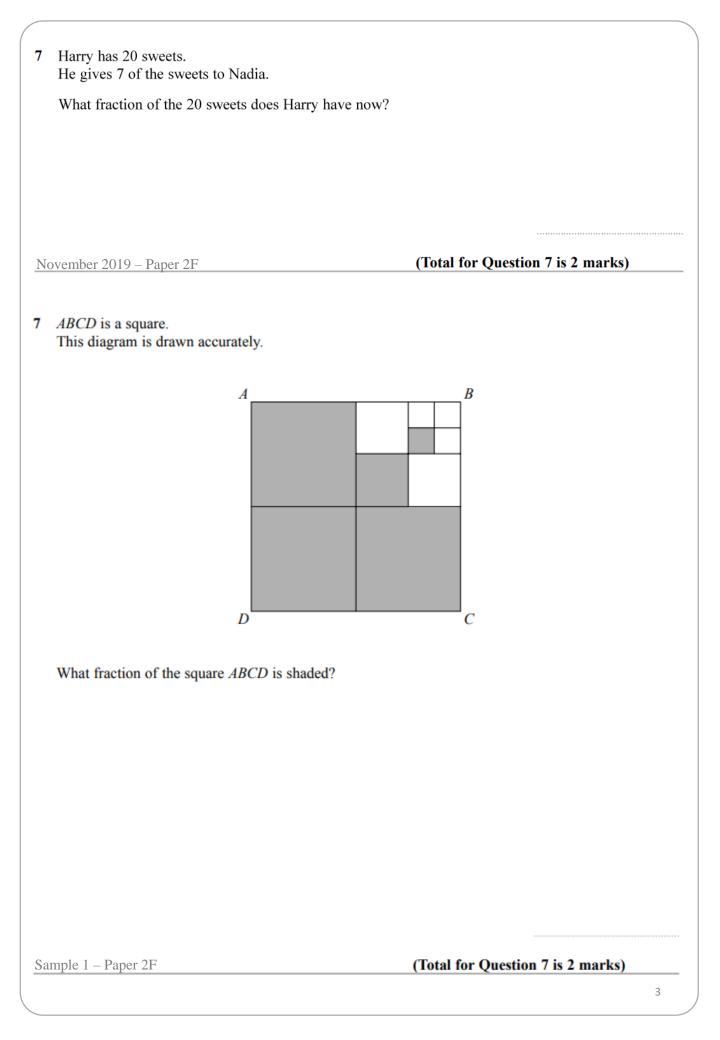
•The marks for each question are shown in brackets

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

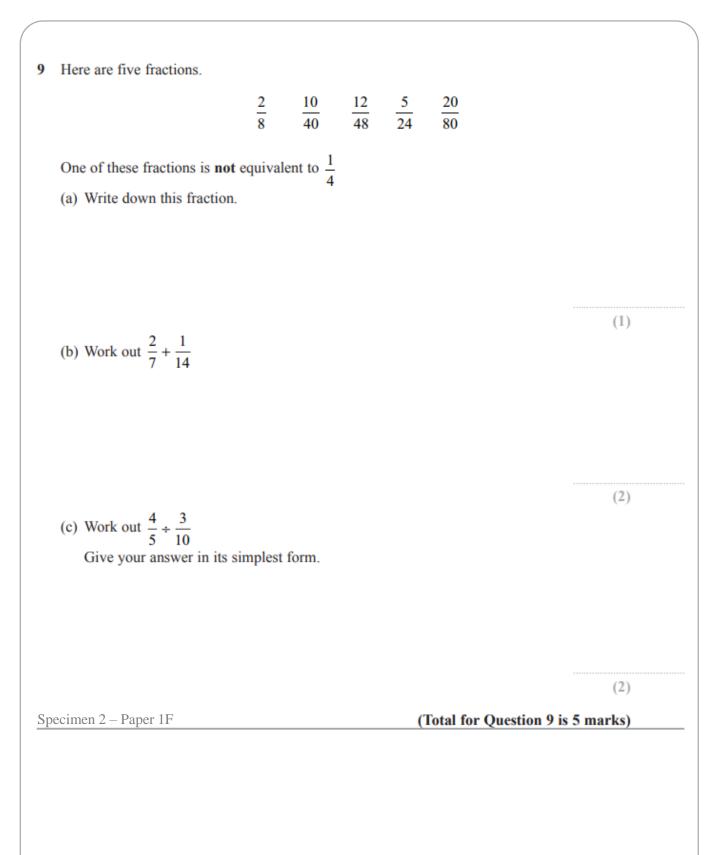
Advice

- •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.



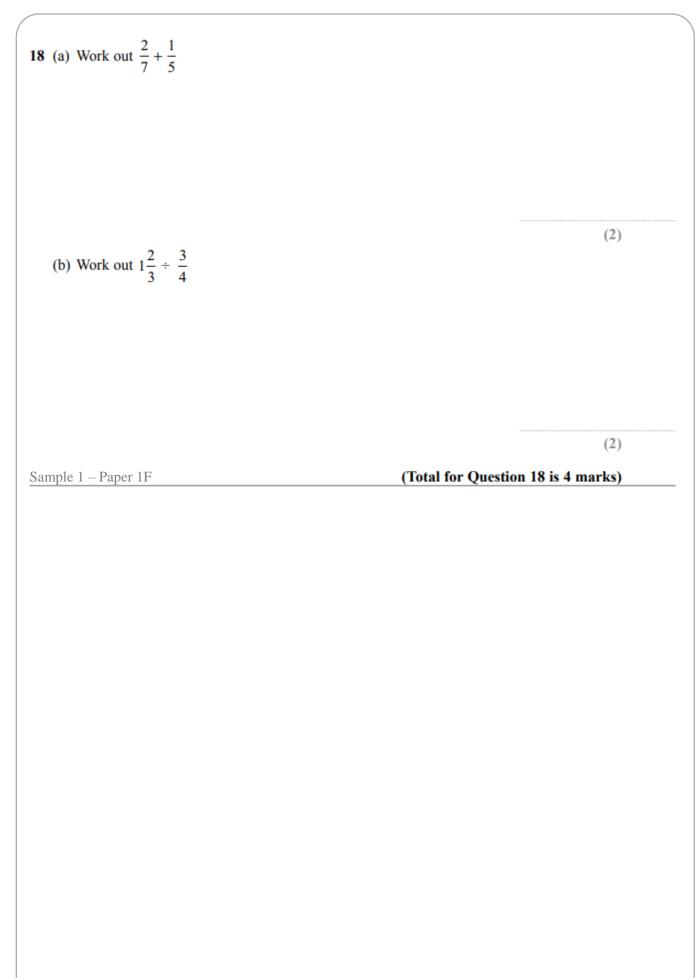


8 (a) Work out $\frac{5}{8} \times \frac{3}{4}$	
(b) Work out $\frac{2}{3} - \frac{1}{4}$	(1)
	(2)
June 2017 – Paper 1F	(Total for Question 8 is 3 marks)
	4



	$\frac{15}{20}$	$\frac{10}{16}$	18	-		
		10	24	$\frac{6}{8}$	$\frac{9}{12}$	
			$-\frac{3}{4}$	ivalent to	ons is not equ	One of these fract
					1?	(a) Which fraction
(1)						
					$\frac{1}{2} + \frac{5}{6}$	b) Work out $\frac{1}{1}$
(2)						
on 11 is 3 marks)	for Question 1	(Total f			er IF	ember 2018 – Pape
ic	for Quest	(Total f			er 1F	ember 2018 – Pape

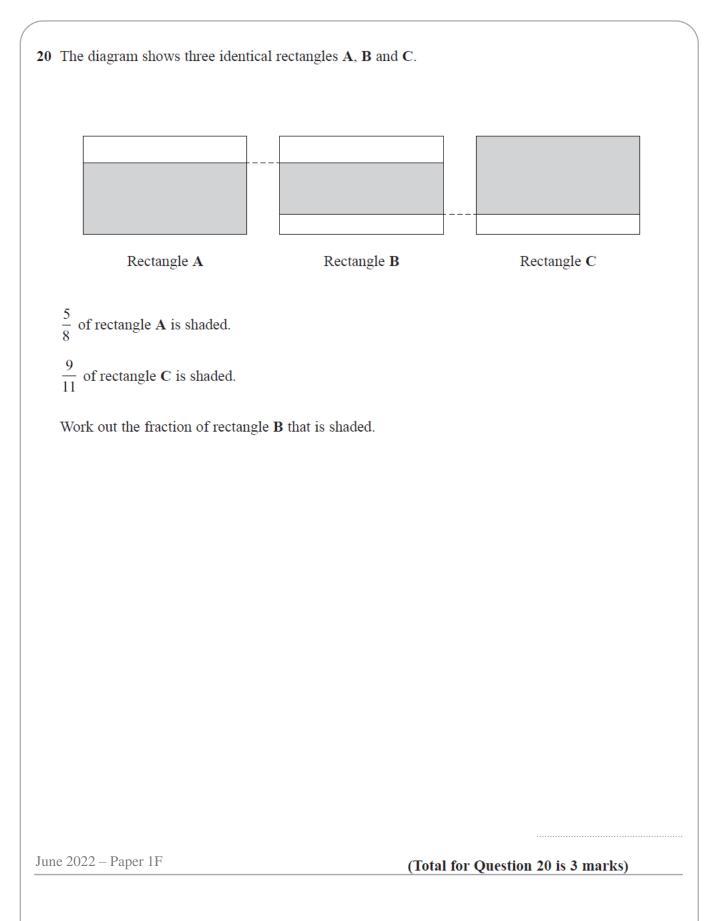
2 Find the number that is exactly halfway between -	$\frac{1}{12}$ and $\frac{3}{2}$
	10 5
fovember 2019 – Paper 2F	(Total for Question 12 is 2 marks)
5 Work out $\frac{6}{7} \times \frac{5}{12}$	
7 12Give your answer as a fraction in its simplest form.	
June 2023 – Paper 1F	(Total for Question 15 is 2 marks)



19 (a) Work out
$$\frac{2}{3} - \frac{1}{5}$$

(b) Work out $\frac{2}{3} \times \frac{3}{4}$
Give your answer as a fraction in its simplest form.
(2)
June 2019 – Paper 1F (Total for Question 19 is 4 marks)

20 (a) Work out $1\frac{3}{5} + 2\frac{1}{4}$ Give your answer as a mixed number.	
(b) Show that $2\frac{2}{3} \div 6 = \frac{4}{9}$	(2)
November 2022 – 1F	(2) (Total for Question 20 is 4 marks)



21 Show that

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

May 2020 – Paper 1F

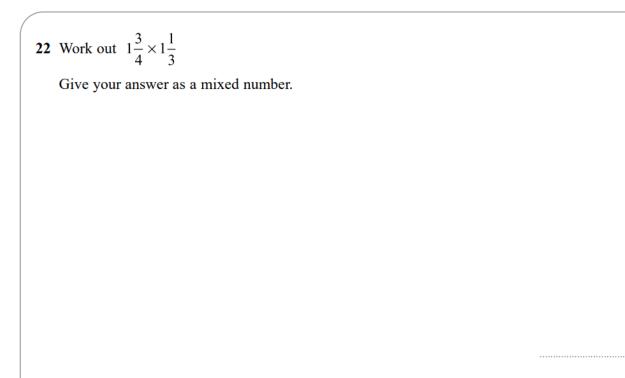
(Total for Question 21 is 3 marks)

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

Give your answer as a mixed number.

November 2021 – Paper 1F

(Total for Question 22 is 3 marks)



November 2019 – Paper 1F

(Total for Question 22 is 3 marks)

2 (a) Work out $\frac{2}{5} + \frac{1}{4}$	
	(2)
ovember 2017 – Paper 1F	(Total for Question 22 is 2 marks)