Name Class



www.MathsTeacherHub.com

# Change the subject

(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

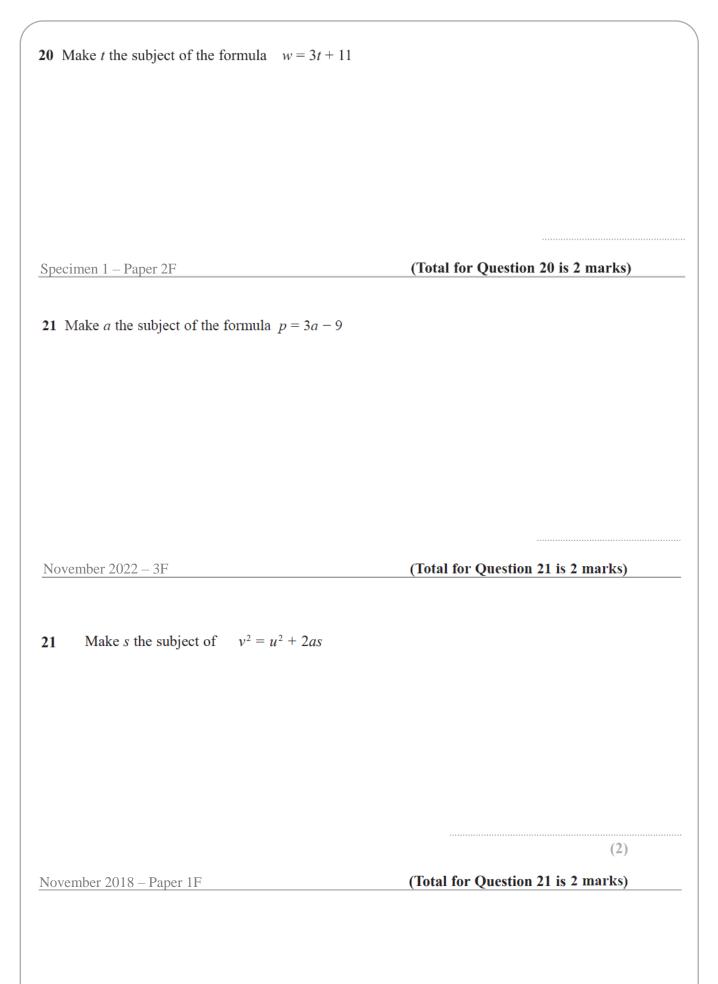
- •The marks for **each** question are shown in brackets
- use this as a guide as to how much time to spend on each question.

#### 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.

# Answer ALL questions Write your answers in the space provided. You must write down all the stages in your working.

Make v the subject of the formula $T = 4v + 3$	
	(2)
une 2017 – Paper 3F	(Total for Question 11 is 2 marks)
9 Make x the subject of the formula $y = 2x + 4$	
une 2019 – Paper 3F	(Total for Question 19 is 2 marks)
	(Total for Question 19 is 2 marks)



21	q	=	<u>p</u>	+	5
	4		r		

Make p the subject of this formula.

Sample 1 – Paper 2F

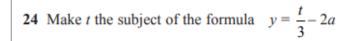
(Total for Question 21 is 2 marks)

Make p the subject of the formula d = 3p + 4

(2)

June 2022 – Paper 3F

(Total for Question 23 is 2 marks)



Specimen 2 – Paper 3F

## (Total for Question 24 is 2 marks)

**28** Make g the subject of the formula 
$$T = \sqrt{\frac{g+6}{2}}$$

May 2018 – Paper 3F

(Total for Question 28 is 3 marks)