Please check the examination details below before entering your candidate information				
Candidate surname	Other names			
	Centre Number Candidate Number			
Mathemat	ics			
Havaah Kettle MATHIS TUTORIALS Yo Predicted Pape	LL VIDEO SOLUTIONS AN THE QR CODE An the QR CODE Autobe.com/@havmahkettlemaths Foundation Tier			
 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 <i>- there may be more space than you need.</i> You must show all your working. Diagrams are NOT accurately drawn, unless otherwise indicated. Calculators may be used where indicated, but not otherwise. If your calculator does not have a <i>π</i> button, take the value of <i>π</i> to be 3.142 unless the question instructs otherwise. 				
Disclaimer: No-one can ever be sur this paper together based on comr	e what will definitely appear on the GCSE Maths Papers. I have put non topics we often see on Paper 1. I hope you find it helpful!			
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		Answer ALI	question	15.	
	Y	Write your answers in	the space	es provided.	∎ 584
	You 1	must write down all th	e stages i	n your working.	VIDEO) SOLUTIONS
1	Write $\frac{4}{5}$ as a decimal.				
	5				
				(Total for Question	n 1 is 1 mark)
2	Write the following numbe Start with the smallest num	rs in order of size. ber.			
	0.48	0.4	0.045	0.05	
				(Total for Question	n 2 is 1 mark)
3	Work out $20 + 6 \div 2$				
					• 2 := 1l-)
				(10tal for Question	1 5 IS 1 mark)
4	Write 5.28 correct to 1 deci	imal place.			
				(Total for Question	n 4 is 1 mark)
5	Write down the value of th	e 5 in the number 367.58			
					2 ••• 1 1 \
				(1 otal for Question	5 is 1 mark)

6	Here is a list of numbers.							
		6	8	15	21	24	29	<u>is</u> er
	From the list, write down							VIDEO SOLUTIONS
	(a) a factor of 12							
	(b) a prime number							(1)
	(c) a cube number							(1)
							(Total fe	(1) or Question 6 is 3 marks)
7	Jack and Harry are plan	ning a tı	rip to a	a festival.	They w	ill trave	l together by	y car.
	These are the costs for t	he trip.						
	Total cost c	f petrol			£62	2		
	Weekend ti	ckets fo	r the f	estival	£12	20 each j	person	
	Spending m	noney			£60) each p	erson	
	Jack and Harry will each They plan to save the co How much do they each	n pay fo ost of the need to	r them e festiv) save	iselves. val over tl each mor	he next t nth?	four moi	nths.	
							£	
							(Total f	or Question 7 is 4 marks)

8 (a) Expand x(2x – 3)		UDEO SOLUTIONS
(b) Factorise fully 14m ²	- 21 <i>m</i>	(1)
(c) Solve $2(y+7) = 11$		(2)
		y =(2) (Total for Question 8 is 5 marks)
9 The pictogram shows infor Tuesday and on Wednesda	rmation about the number of po	otatoes sold in a shop on Monday, on
Monday		
Tuesday		Key:
Wednesday		represents 12 potatoes
Thursday		
Over the four days shown,	the shop sold a total of 60 pota	itoes.
(a) Complete the pictogram	n for Thursday.	
(b) What percentage of por	tatoes were sold on Monday?	(2)
		%
		(2) (Total for Question 9 is 4 marks)







15 Tom is driving 200 miles to collect a new caravan. Tom leaves home at 6:45 am	
It takes him $1\frac{1}{2}$ hours to drive the first 80 miles.	
He completes the rest of the journey at an average speed of 40 miles per hour. At what time does arrive to collect the caravan?	JOLOHONJ
(Total for Ouestion 1	5 is 4 marks)
16 Here are the first five terms of an arithmetic sequence.	
2, 7, 12, 17, 22	
(a) Find an expression, in terms of n , for the n th term of this sequence.	
(b) Find the 15 th term in the sequence	(2)
(Total for Question 1	(1) 6 is 3 marks)



18 Work out 4.08×3.7



(Total for Question 18 is 3 marks)

.....

19 Work out $4 \div 2\frac{2}{3}$

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

(Total for Question 19 is 3 marks)

.....

20 (a)	Write 72 as a product of its prime factors.
	Give your answer in index form.



(2)

.....

(b) Find the lowest common multiple (LCM) of 72 and 90

(2)

(Total for Question 20 is 4 marks)

.....

21	Billie, Nicky and Katy share some money.	
	Billie and Nicky have £240 in the ratio 3:5	<u>o e</u>
	The amount of money that Nicky has to the amount of money Katy has is in the ratio 3:2	video) Solutions
	How much money does Katy have?	

£.....(Total for Question 21 is 3 marks)

. . . .

22 There are only pink cubes, grey cubes and white cubes in a box.

The table shows the probability of taking at random a pink cube from the box.

Colour	pink	grey	white
Probability	0.4		

The number of white cubes in the box is three times the number of grey cubes. Complete the table.

(Total for Question 22 is 2 marks)





26 (a) Make <i>t</i> the subject of $h = 3t - 4$	VIDEO ⁵ SOLUTIONS
(b) $y = 3x^2 - 12$ Work out the value of <i>y</i> when $x = 5$	(2)
(c) Simplify $(m^4)^3$	(2)
	(1) (Total for Question 26 is 5 marks)
	TOTAL FOR PAPER IS 80 MARKS