Please check the examination detai	Is below b	pefore e	ntering	your ca	ndidate	informatio	on	
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<ul> <li>Instructions</li> <li>Use black ink or ball-point pen.</li> <li>Fill in the boxes at the top of this p centre number and candidate number and candidate number.</li> <li>Answer all questions.</li> <li>Answer the questions in the spaces - there may be more space than yet you must show all your working.</li> <li>Diagrams are NOT accurately draw.</li> <li>Calculators may be used where it if your calculator does not have a m unless the question instructs othere.</li> </ul>	ber. s provide ou need. vn, unles indicate r button,	ed ss othe <b>d, but</b>	rwise in <b>not ot</b>	ndicate <b>herwis</b>	e.	142		7

\*\*Disclaimer: No-one can ever be sure what will definitely appear on the GCSE Maths Papers. I have put this paper together based on common topics we often see on Paper 2. I hope you find it helpful!\*\*

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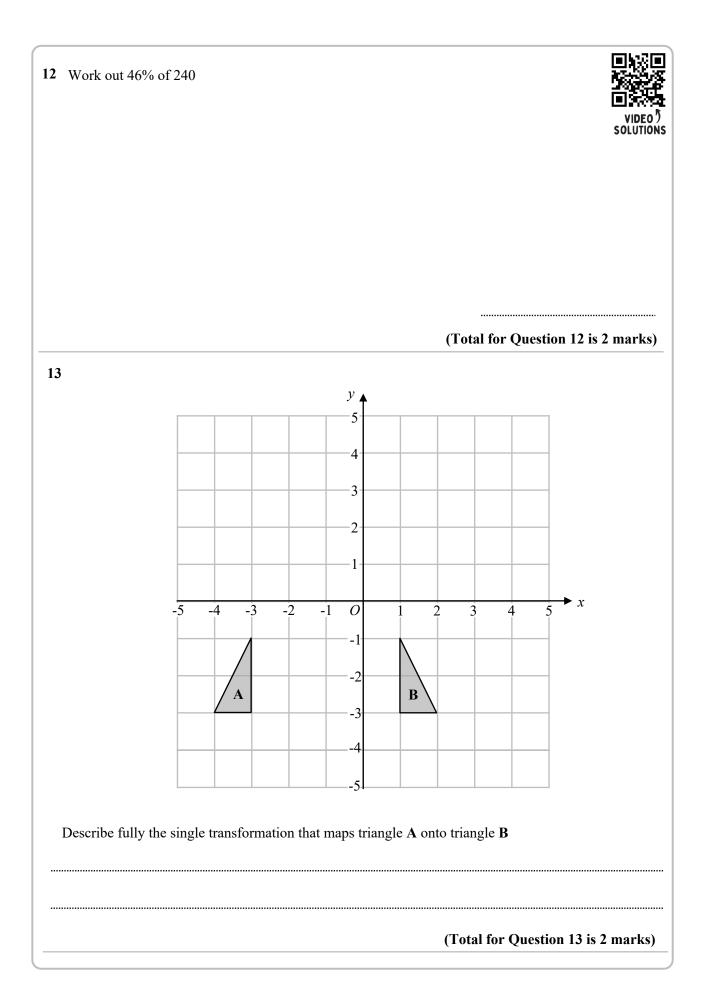


	Answer ALL questions.	
	Write your answers in the spaces provided.	
	You must write down all the stages in your working.	SOLUTIONS
1	Write down the value of the 5 in the number 3507	
	(Total for Question 1 is	1 mark)
2	Write 32% as a fraction Give your answer in its simplest form	
	Give your answer in its simplest form	
	(Total for Question 2 is	2 marks)
3	Change 4 metres into centimetres	
	(Total for Question 3 is	1 mark)
4	Write down the first even multiple of 9	
	(Total for Question 4 is	1 mark)
5	Solve $x - 5 = -2$	
	(Total for Question 5 is	1 mark)

6	Here is a list of numbers.						
		8	20	23	25	32	
	From the list, write down						solutions
	(a) a factor of 16						
	(b) a prime number						(1)
	(c) a cube number						(1)
							(1)
						(Total	for Question 6 is 3 marks)
7	Nicky is buying a camperva:	n. The o	camperva	an costs	£24,000	) plus VAT at	20%.
	Nicky pays a deposit of £70	00. She	then pay	ys the re	st of the	cost in 40 eq	ual monthly payments.
	How much is each monthly	paymer	nt?				
						f	
							l for Question 7 is 4 marks)

8 (a) Simplify $3 \times m \times 7 \times p$	UIDEO Ĵ SOLUTIONS
(b) Simplify $t \times t \times t$	(1)
(c) Simplify $3n^2 + 3n^2$	(1)
	(1)
	• Question 8 is 3 marks)
9 (a) Work out the value of $\frac{2.4 + 3.1^2}{\sqrt{1.087}}$ Give your answer as a decimal. Write down all the digits on your calculator display.	
(b) Write your answer to part (a) correct to 2 decimal places	(2)
	(1) • Question 9 is 3 marks)

The supermarket is 2.5 n He got to the supermarket		VIDEO ) SOLUTIONS
Neil spent 38 minutes in He took 50 minutes to w (b) At what time did Ne		mph (2)
		(2) (Total for Question 10 is 4 marks)
0	tickers. f her stickers to Shona. tickers Sallie now has to the number of s	tickers Shona has.
		(Total for Question 11 is 2 marks)



14 65 students from Year 10 and Year 11 are asked how they usually travel to school.

35 students are in Year 1010 of the 28 students who usually walk are in Year 1112 Year 10 students cycle19 students get the bus

(a) Use the information to complete the two way table.

	Walk	Bus	Cycle	Total
Year 10				
Year 11				
Total				

(3)

(2)

.....

.....

One of the Year 11 students is chosen at random.

(b) Write down the probability that this student usually cycles to school.

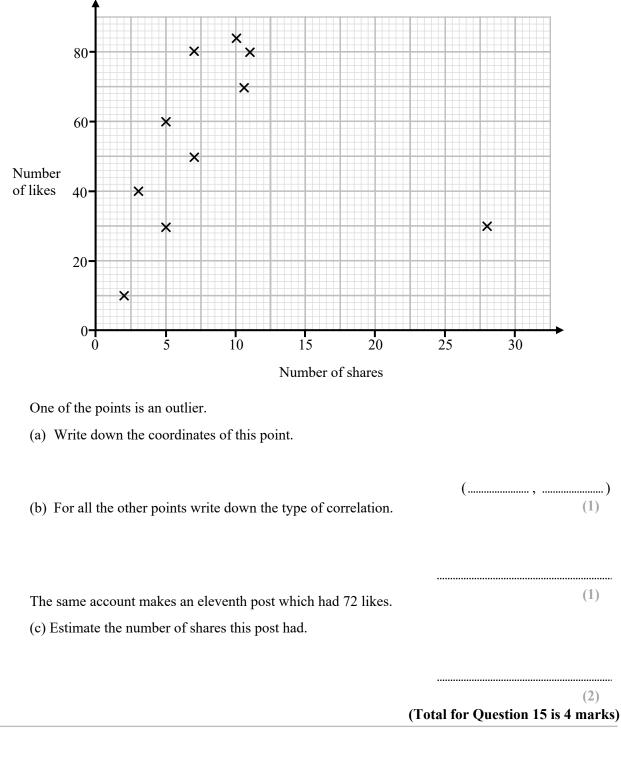
(c) What is the modal method of travelling to school?

(1) (Total for Question 14 is 6 marks)

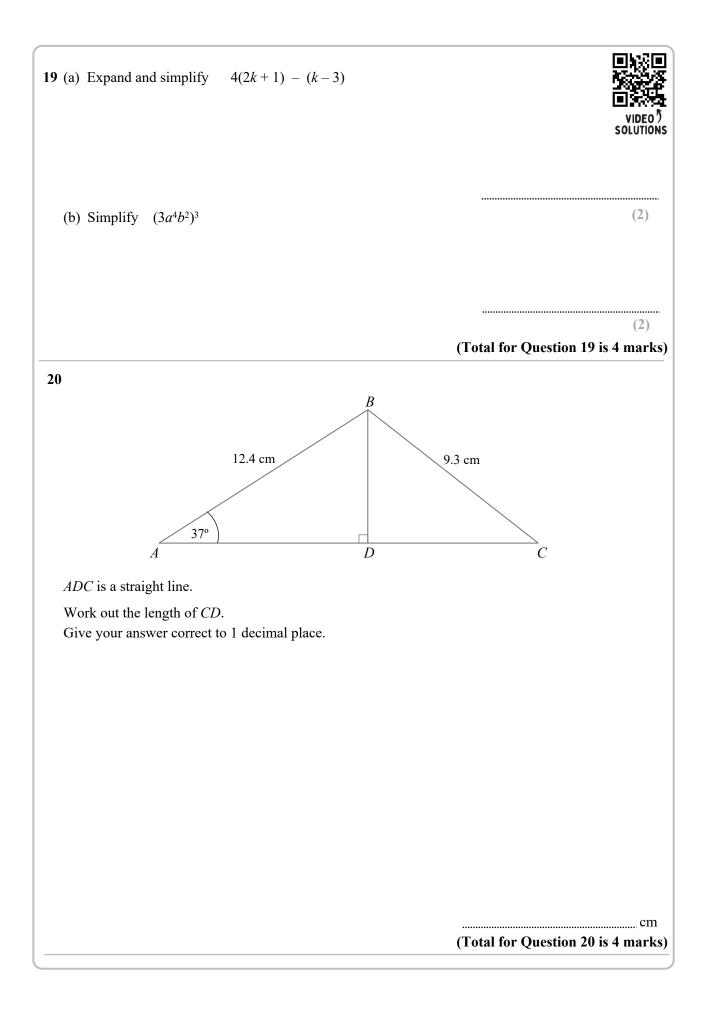


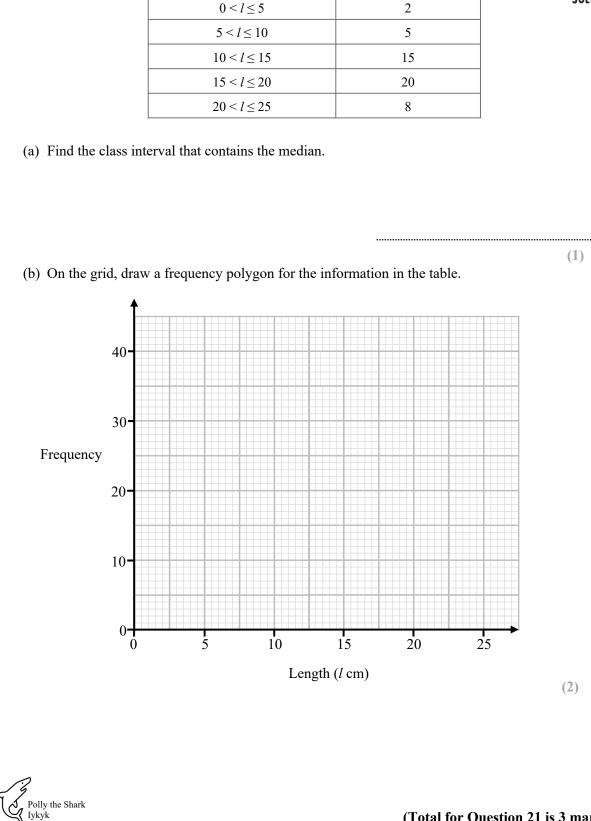
15 The scatter graph shows information about the number of likes and shares of ten different posts to a social media account.





videoり solutions
(Total for Question 16 is 2 marks)
(1)
(1)
cant figures.
(2)
(Total for Question 17 is 4 marks)
$\leq h <$





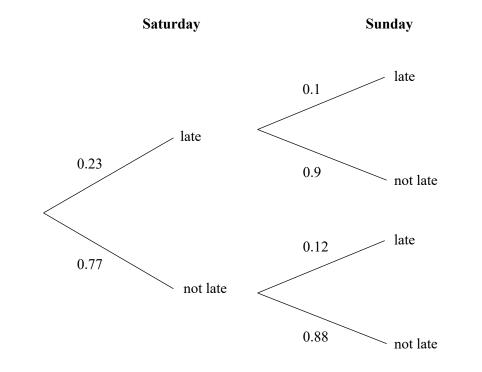
21 The frequency table gives information about the length of 50 parsnips.

Length (l cm)

Frequency

**22** The probability tree diagram shows the probabilities that Megan will be late for work on Saturday and on Sunday.





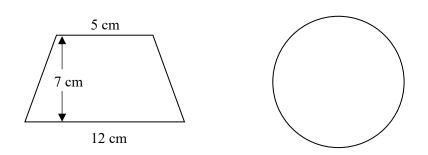
Calculate the probability that Megan will be late on exactly one of the two days.

(Total for Question 22 is 3 marks)

.....

**23** Here is a trapezium and a circle.





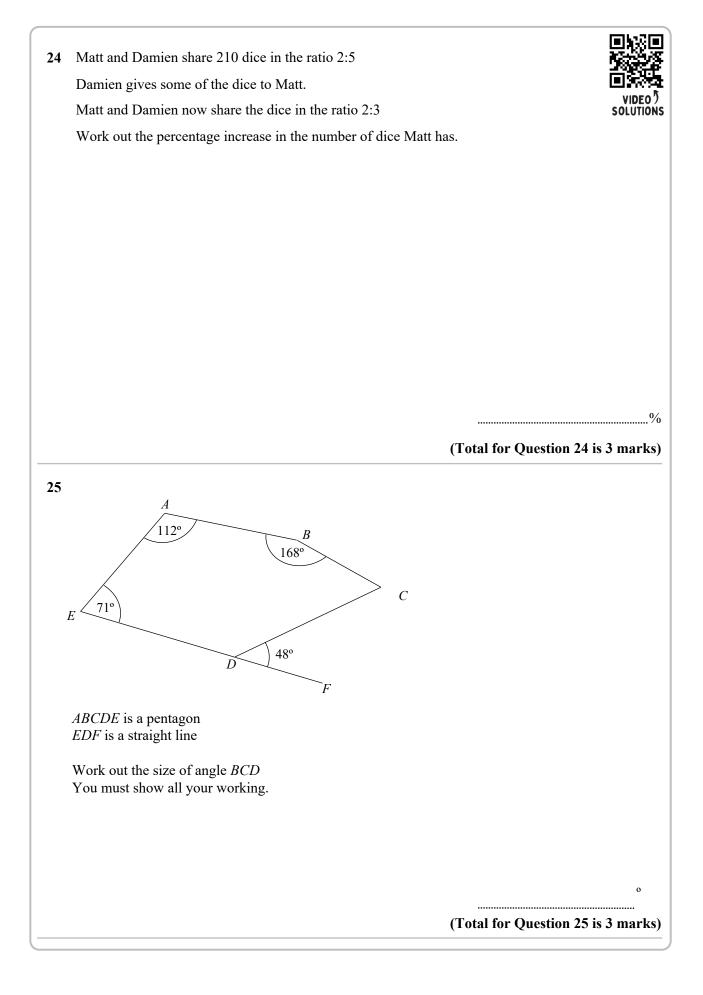
The area of the trapezium is equal to the area of the circle.

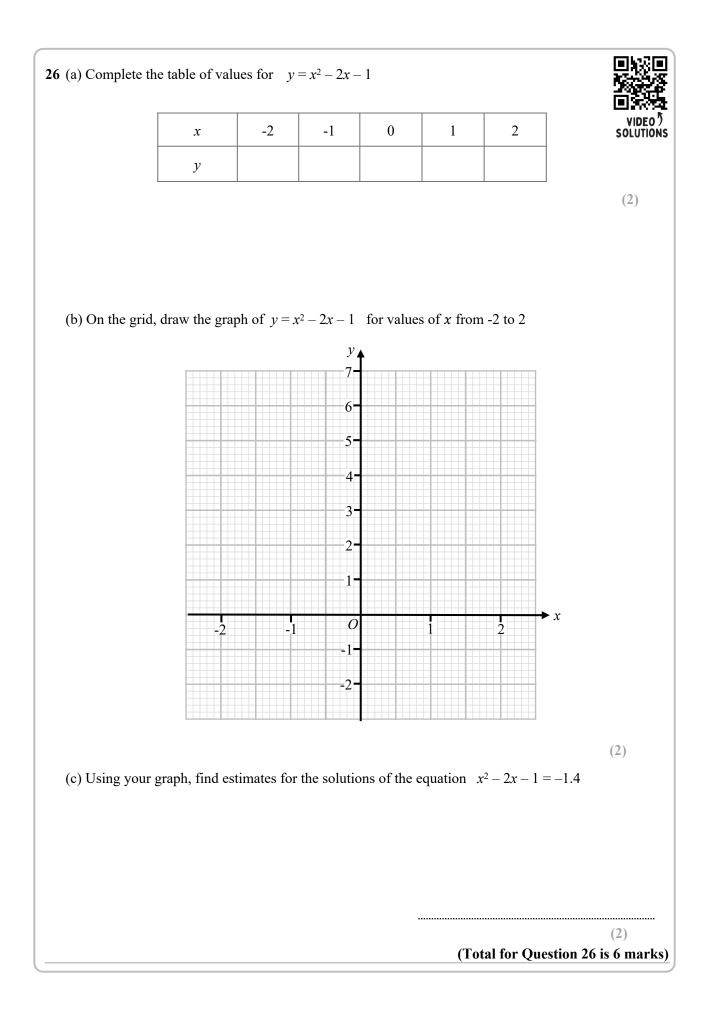
Work out the diameter of the circle.

Give your answer to 3 significant figures.

	 	 			 	•				•			•				•••	•			•	 				с	r	r	ı

(Total for Question 23 is 3 marks)





<b>27</b> (a) Make <i>t</i> the subject of $h = 7t + 2$	
(b) $y = 3x^2 - 5$ Work out the value of <i>y</i> when $x = 4$	(2)
	(2) (Total for Question 27 is 4 marks
	TOTAL FOR PAPER IS 80 MARK
	TOTAL FOR PAPER IS 80 MARK
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