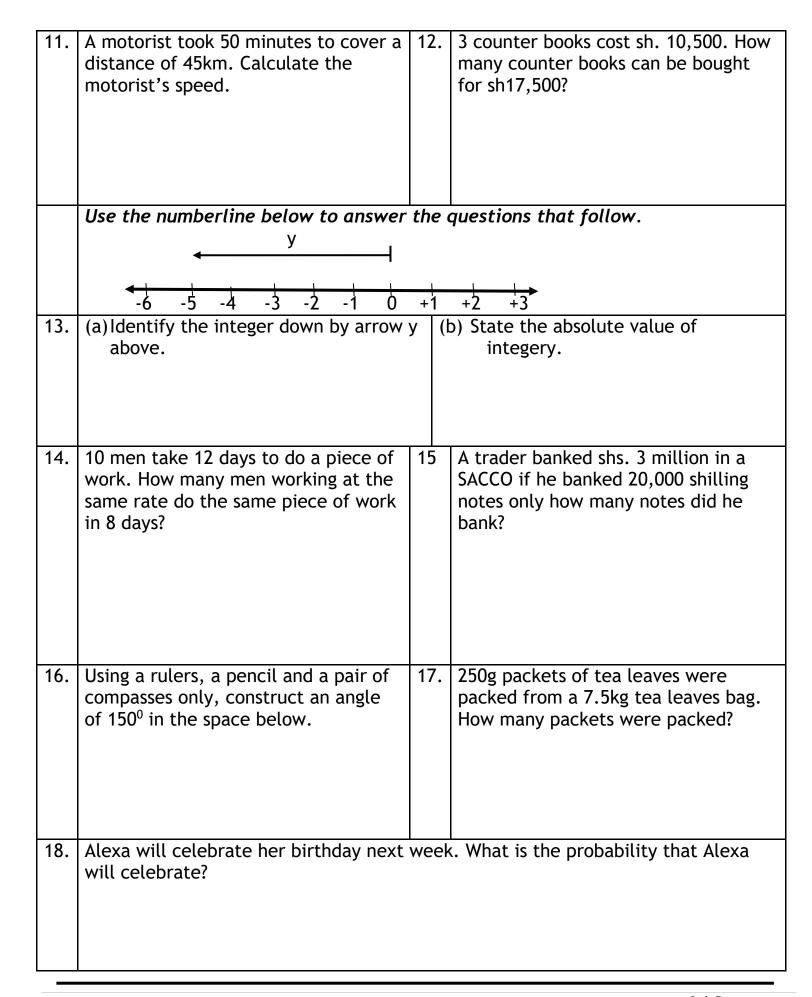
THE ARIAL EXAMINATIONS®

Candidate's Name: Candidate's Signature District Name:	XAMINERS' USE Marks	
Candidate's Signature District Name: Read the following Instructions carefully: This paper is made up of two sections: A and B. 1. Section A has 20 questions (40 marks). Page 2 Page 3	XAMINERS' USE Marks	
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2. Section B has 12 questions (60 marks). Page 3		
2 American All acceptions in both continue A and B		
3. Answer ALL questions in both sections A and B. Page 4		
		1
4. All answers must be written in spaces provided Using blue or black pens or Ink. Only diagrams		
Should be done in pencil. Page 6		
5. Unnecessary crossing of answers will lead to		
Loss of marks. 6. Do not fill anything in boxes indicated for		
Examiners'Use only.		

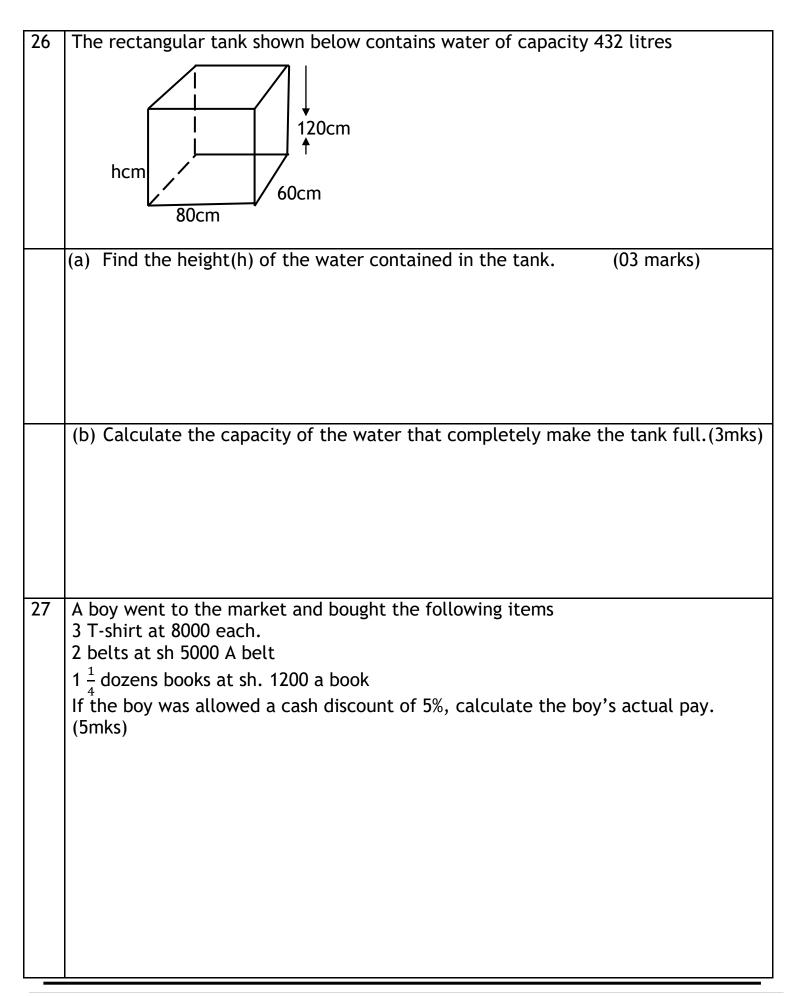
SECTION A: 40 MARKS

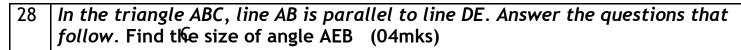
1.	Work out: 32 x 32	2.	Write XLIV in Hindu Arabic numerals
3.	Simplify: 5 - 4(1-k)	4.	Find the next number in the sequence: 60, 50, 55, 46, 30
5.	Work out: (12 x 4) – (4 x 25)	6.	In the venn diagram below, shade the complement of Set(p-Q)
7.	What percentage of 2 metres is 80cm?	8.	Find the value of the digit in hundred thousand place value in the number 7,894,562
9.	The perimeter of a semi-circle is 36 metres. Find its diameter.	10	In diagram below, find the size of angle x in degrees.

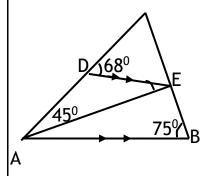


19.	Express 10 m/s as Km/h $20. \text{Solve: } \frac{2P}{5} - 3 = 7.$				
	SECTION B: 60 MARKS				
21.	The Venn diagram below shows the number of people who can speak Kiswahili (K), English (E) and other language in certain. Use it to answer the questions that follow. $n(\Sigma) = \frac{1}{3x-4} \frac{K}{x+13}$				
	(a) If 49 people cannot speak Kiswahili, find the value of x. (02 marks) (a) How many people cannot speak English? (02 marks)				
	(a) Find the probability of randomly selecting a member who can speak English to be the chairperson? (02 marks)				
22.	(a) Write 0.087 in standard form (02 marks) (b) Solve 2 ^{2x} x 2 = 32				

23	(a) Today is Thursday. What day of the week was it 23 days ago? (2mks)
	(b) When marking a test of questions, a teacher awarded 4 marks for every correctly answered question and deducted 2 marks for every wrongly answered questions. How many questions were correctly answered by pupil who scored 58 marks? (04marks)
24	Complete the base three addition table below. (4mks) + 0 1 2 0 0 1
25	(a) Simplify: $\frac{1.24 \times 3.06}{0.4 \times 0.31}$ (03mks)
	(b) Kirstine was given $\frac{4}{5}$ of the sugarcane. She gave $\frac{3}{8}$ of her share to faith. What fraction of sugar cane did Kirstine remain with? (02 marks)







In a school, $\frac{12}{25}$ of them are boys the rest are girls 60% of the boys are boarders and 20% of the boys girls are day scholars. If 148 pupils in the school are day scholar, find the number of pupils in the whole school? (05MKs)

30 The time table below shows the route taken by bus

Station	Arrival time	Departure
a	•••••	6:00am
b	7:00am	7:15am
С	10:00am	10:30am
d	1:00pm	1:30pm
е	6:45pm	••••••

(a) Express the time at which the bus leaves D in a 24 hour clock. (02mks)

	(b) For how long does the bus stay at station C? (01mk)	(c) How long does the bus journey from station A to E take? (02mks)
31	Julius will 55year old and Joshua is 15 year twice as old as Joshua will be?	ars. After how many years will Julius be (04mks)
32	Using a ruler, a pencil and a pair of comparts which DE=6.4cm, angle DEC=60° and angle from point C to meet line DE at K.	
	(b) Measure the length CK	(01mk)

FND