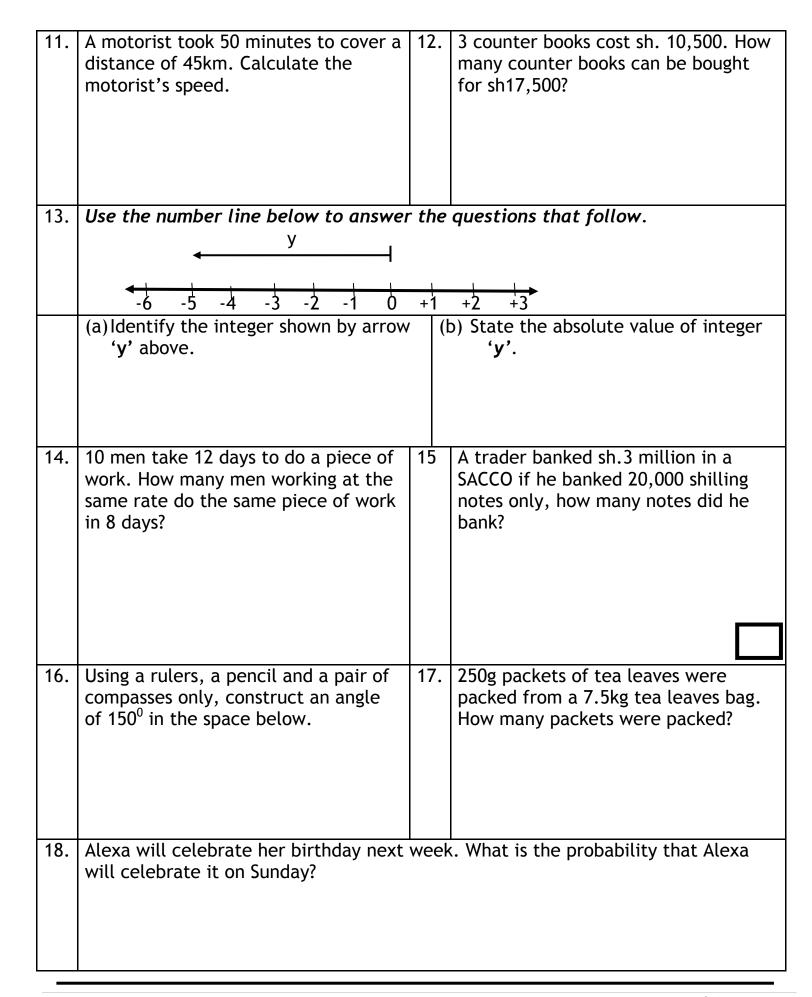
THE ARIAL EXAMINATIONS®

					d: 2	hours	30 min		
		,	School	No.		1	Personal number		
Candida	te's Nan	ne:							
Candida	te's Sign	ature _							
District	Name: _								
lead the foll	owing In	structi	ons ca	refull	y:		FOR EXA	AMINERS' USE	ONLY
This pap	er is ma	de up o	f two :	section	ns: A a	nd B.	page	Marks	Initial
1. Section	A has 20	questic	ns (40	mark	5).		Page 2		
2. Section	Section B has 12 questions (60 marks).						Page 3		<u> </u>
3. Answer	Answer ALL questions in both sections A and B.					Page 4		<u> </u>	
4. All answ	ers must	be wri	tten ir	space	es prov	/ided	Page 5		
Using bl	ue or bla	ick pens	or Inl	k. Only	diagr	ams	Page 6		<u> </u>
Should b	e done i	n penci	l.						
5. Unneces	-	ssing of	answe	ers will	lead	to	Page 7		
Loss of a 6. Do not f		ing in h	oxes ir	ndicate	ed for		Page 8		
	rs'Use o		CACS II	iaicatt	JG 101		Total		
							<u> </u>	1	<u> </u>
<u>S</u>	ubject teac	her's Con	<u>nment t</u>	o the lea	<u>arner</u>		Apr	proved by	\neg
								noved by	
<u> </u>								m Leader	/

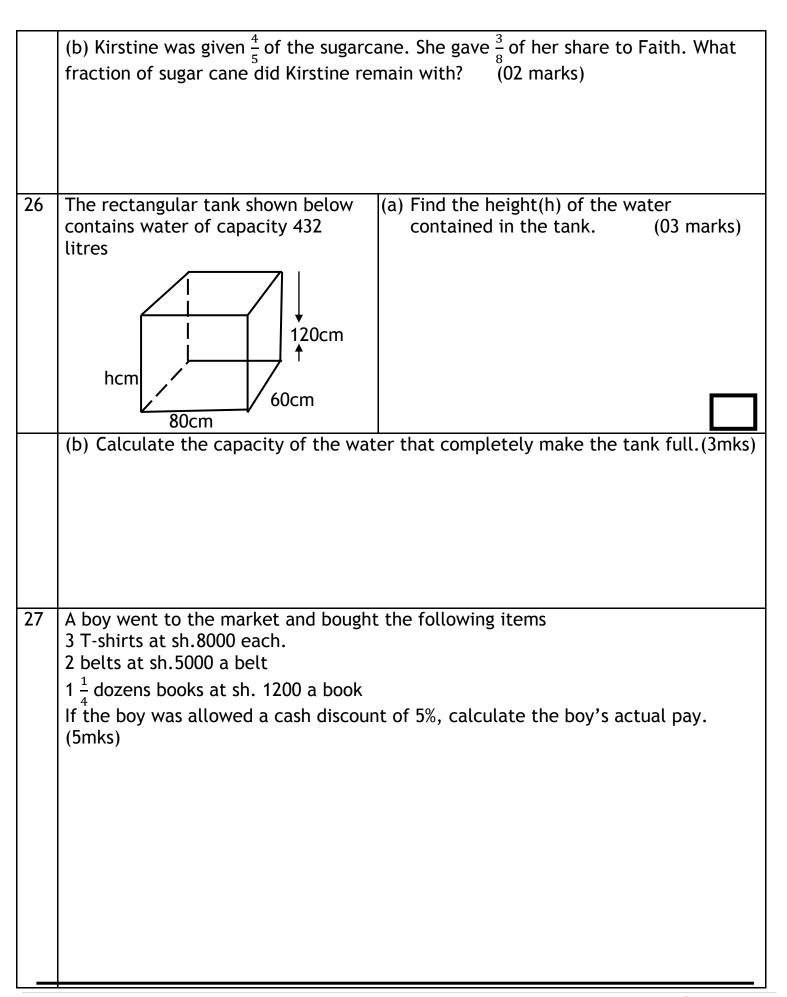
SECTION A: 40 MARKS

1.	Work out: 32 x 2	2.	Write XLIV in Hindu Arabic numerals
3.	Simplify: 5 - 4(1-k)	4.	Find the next number in the sequence: 60, 59, 55, 46, 30
5.	Work out: (125 x 4) – (4 x 25)	6.	In the Venn diagram below, shade the complement of $Set(p-Q)$ (Σ) $Q \qquad p$
7.	What percentage of 2 metres is 80cm?	8.	Find the value of the digit in hundred thousands 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.



40	E 40 / 1/ /l	20	20					
19.	Express 10 m/s as Km/h	20.	Solve: $\frac{2P}{5} - 3 = 7$.					
			0 MARKS					
21.	The Venn diagram below shows the number of people who can speak Kiswahili (K), English (E) and other languages in a certain village. Use it to answer the questions							
	that follow. $\underline{\hspace{1cm}}$ that follow. $\underline{\hspace{1cm}}$ that follow.							
	E 3x - 4	× ×	x + 5 x+13					
	(a) If 49 people cannot speak Kiswahili, find the value of x. (02 marks)	, (o) How many people cannot speak English? (02 marks)					
	Tind the value of X. (02 mains)		Liigiisii. (OZ iiidiiis)					
	(a) How many people are in this village	? (02 marks)					
22.	(a) Write 0.0807 in standard form	(b)	Solve $2^{2x} \times 2 = 32$ (2mks)					
	(02 marks)							

23	(a) Tod	av is Th	oured av	What day	of the week wa	s it 22 days ago?	(2mks)
23	(a) 10u	ay is ii	iuisuay	. Wilat day	of the week was	s it 23 days ago?	(2mks)
	(b) Whe	en mark	king a te	est of 25 qu	uestions, a teach	ner awarded 4 ma	rks for every
			_	-		rks for every wroi	-
	questio			questions v	vere correctly an	iswered by a pupi	l who scored 58
	marks?	(04	lmarks)				
24	Comple	ete the	base th	ree addit	ion table below.	. (4	mks)
	+	0	1	2		•	-,
	0	0	1				
	1	1	2				
	2	2	_				
25			1.24 x 3.0	06			
	(a) Sim	nlity/ -	0.4 x 0.3			(03mks)	
			0.4 A 0.5	1			



28	In the triangle ABC, line AB is parallel to line DE. Answer the questions that						
	follow. Find the size of angle AEB (04mks)						
	D 168° 45°	E 75° B					
29	boarders and 2		day scholars. If 14	irls. 60% of the boys are 8 pupils in the school are day nool? (05MKs)			
30	The time table	below shows the ro	oute taken by a bi	IS.			
	Station	Arrival time	Departure				
	A	711111011 011110	6:00am				
	В	7:00am	7:15am				
	C	10:00am	10:30am				
	sD	1:00pm	1:30pm				
	E	6:45pm	S				
		0. 15pm	1 3	1			
	(a) Express the (02mks)	time at which the	bus leaves station	D in a 24 hour clock.			

	(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 is 55 years old and Joshua is 15 years be thrice as old as Joshua.?	rs old. After how many years will Julius (04mks)
32	Using a rule, a pencil and a pair of comparable between the period of th	
	(b) Measure the length CK.	(01mk)

FND