MARK SCHEME	نموذج الإجابة وتوزيع الدرجات
KINGDOM OF BAHRAIN	مملكة البحرين
EDUCATION & TRAINING QUALITY AUTHORITY	هيئة جودة التعليم والتدريب
Grade 12 National Examinations	الامتحانات الوطنية للصف الثاني عشر
Mathematical Skills 2025	امتحان المهارات الرياضية ٢٠٢٥

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the National Examinations. It shows the basis for awarding marks.

Mark schemes must be read in conjunction with the question papers and Marking reports.

1	Key	D	The number of students who participated in the survey study is 60 students $(25 + 10 + 15 + 10)$ . The number of students who prefer Arabic language subject from Al- Amanah School is 15 students. Accordingly, the percentage of students who prefer Arabic language subject in Al-Amanah School to its total students is 25% $(60 \div 15)$ .						
	Distractors								
	Α	The percentage of students who prefer Arabic language subject in Al-Sidq School to its total students							
	В	The point the	The percentage of students who prefer Arabic language subject in the three schools to the total number of students						
	С	The point of the p	The percentage of students who prefer Arabic language subject in Al-Adalah School to its total students						
2	Key	D	None of the ingredients from the second group were selected.						
	Distra	actors							
	Α	Meets	the requirements.						
	В	Meets	the requirements.						
	С	Meets	the requirements.						
3	Key	В	There are two small equal sectors, two other equal sectors, and a fifth sector larger than the rest.						
	Distra	actors							
	Α	The smallest percentage represents only one circular sector, while there are two equal quantities that are the smallest.							
	С	There	are three equal sectors.						
	D	The la	rgest sector represents half of the data.						

4			According to the pricing model approved by Bahrain Post, the shipping cost for each parcel is as follows:								
		В		Destinations		Weight of shipment (Gramme)	Cost (BD)				
	Key			Kuwait (Gulf countries)	Kuwait (Gulf countries)		7				
				Egypt (rest of t Arab countries	he s)	657	8 + 1 = 9	_			
				France (Europ	e)	821	9 + 3 = 12	_			
				Australia		500	10	_			
				Το	tal		38				
			Thus, the total cost of shipping the four parcels is BD 3								
	Distra	ctors				• •	•				
	Α	Calcula	ate th	te the cost of the first half kilogram for all parcels only.							
	С	Add th	e cos	t of an additional	half	kilogram for	the fourth parc	el.			
	D	Calcula	ate th	e cost of an addit	ional	l half kilogra	m for all parce	ls.			
5			By reac	empirical resear hed:	ch,	the follow	ing table car	ו be			
	Kau	Б		Number of Regular Tickets	Nu VIP	mber of Tickets	Total Price (¥)				
	ney	D		0		5	500				
				5		3	500	-			
				10		1	500				
			<b>T</b> L .		(l			<b>.</b>			
	VIP tickets is 3										
	Distra	ctors	VII								
	Α	Not the	e high	est.							
	С	Buy al	VIP	tickets.							
	D	Higher	type	of regular tickets.							

6	Kev	А	<ul><li>Marwa will make 12 Mango delight pieces using all the cheese pieces (36 ÷ 3). Therefore, she will need an</li></ul>								
	- 5		addition	al 10 Kg of mar	ngoes (12 - 2)	•					
	Distr	actor	Ictors								
	В	Forge	et the qua	antity of mango	es Marwa has	S.					
	С	Reve need	erse the ed to mal	amount of av	/ailable man of mango del	goes with ight.	the amou	nt			
	D	Assu	me that c	one serving requ	uires only one	e piece of cl	neese.				
7			The belo Susan s	ow Table show earched for	s the price a	nd duratior	of each tr	ip			
				Flight	Departure Time from Munich Airport	Arrival Time at Dublin Airport	Trip Duration	Price (£)			
			Α	15:25	16:55	2h 30m	79				
	Κον	Δ	В	11:25	13:00	2h 35m	101				
	Кеу	~	С	08:25	09:55	2h 30m	111				
			D	09:00	12:10	4h 10m	91				
			E	09:25	11:30	3h 05m	5m 100				
			F	00:10	02:10	3h 0m	95				
			G	19:30	22:00	3h 30m	99				
			It is evident from the above Table that the flights Susan can travel on are flight A, flight B, and flight F. This means she has only 3 possible flights.								
	Distr	actor	S								
	В	Calcu	ulate trip	C among the po	ossible trips a	nd ignore it	s price.				
	С	Ignor calcu	e the t llating the	ime conversion of each	on between ch trip.	the two	cities whe	en			
	D	Rely	on the tri	p price and igno	ore its duratio	n.					

8			Hamza wanted to buy a plot of land in a rectangle shape with correct dimensions, so that its area would be 32 m <sup>2</sup> . He built a wooden fence on only three sides at a cost of BD 5 per linear meter. To find the lowest cost, we conduct a systematic search as shown in the table below, where the length of the fence for the three sides is calculated by								
	calculating twice the length of the first side plus the the second dimension.										
				Aroa	Dime	nsions	Fence	Total fonco			
	Key	в		m <sup>2</sup>	First	Seco nd	for three sides	cost BD			
				32	1	32	34	170			
				32	2	16	20	100			
				32	4	8	16	80			
				32	8	4	20	100			
				32	16	2	34	170			
				32	32	1	65	325			
			Based on the above Table, we can observe that the lowest cost is BD 80 for constructing a fence for a garden with dimensions of $4 \text{ m} \times 8 \text{ m}$ , where the wall of the house covers the 8 m dimension.								
	Distra	ctors									
	Α	Forg	ettir	ng to dou	ble the	shorter	dimension.				
	С	Reve m, 2	ersir m.	ng the dir	nensior	ns, or co	nsidering th	e dimensions 16 m	ı, 2		
	D	Forg	ettir	ng that th	e fence	e is for o	nly three sid	les.			
9	Key	Α	The	column	lengths	s corres	pond to the	given data.			
	Distra	ctors						-			
	В	Reve	erse	the num	ber of v	isitors i	n 2022 with	2023.			
	С	Reve	erse	the num	ber of v	isitors i	n 2020 with	2021.			
	D	Reve	erse	the orde	er of all	years.					

10		Based on the model and given data, the format is as					
	Key	The first two digits from the left represent the 17th day: 17 The next two digits from the left represent the month of August: 08 The third two digits from the left represent the sum of the first two digits: 08 (1 + 7) The last two digits from the left represent a whole number multiplied by the first two digits (17) added to the sum of the second two digits (08), resulting in: 15 (1 × 7 + 8 + 0)					
	Distra	Hence, the code set by the employee is: 17080815					
	Διστιά	Reverse the positions of the month and day					
	R	Made a mistake in writing the month number					
	С С	Reverse the third two digits and last two digits					
11	C	The maximum number of calories Mubarak can less in one					
	Key	<ul> <li>D and the highest daily burn and the highest burn from performing additional tasks and exercising at the gym, is 2970 calories.</li> <li>(300 + 420 + 560 + 450 - 2000 - 2700)</li> </ul>					
	Distra	(500 + 420 + 500 + 450 - 2000 - 2700)					
	Distra	Consider that the maximum number of calories Mubarak can lose					
	Α	in one day is in the scenario of the least daily burn, while consuming the maximum number of calories in all his meals.					
	В	Take the average for all periods.					
	С	Consider that the maximum number of calories Mubarak can lose in one day is when he consumes the maximum calories in all his meals.					
12	KeyASubtracting 8 minutes from 9:22 (because he thinks clock is 8 minutes late) makes it 9:14. Then subtracting 13 minutes from 9:14 (because it is minutes aboad) makes it 0:01						
	Distra	ctors					
	В	Subtract 13 minutes from 9:22.					
	С	Subtract 8 minutes from 13 minutes and add the result (5) to the time 9:22.					
	D	Add 21 minutes (reverse operations).					

13										
			School	Number of students	Success rate	Number of successf ul students				
	Kev	С	First	200	75%	150				
	<b>J</b>		Second	150	80%	120				
			Third	180	70%	126				
			Fourth	160	90%	144				
			Total	690		540				
			Thus, the number of students who passed exams in the four schools is 540 students.							
	Distra	ctors	6							
	Α	Num	nber of failing stude	ents in the fou	ir schools.					
	В	Tota	al success rates in	the four scho	ols					
	D	Tota	al number of studer	nts in the four	schools					
14	Key	D	All requirements a	are met.						
	Distra	ctors	5							
	Α	Swit	tching between Taj	weed and me	emorization:					
	В	The	second batch in Ta	ajweed is one	e-third of the	memorizatio	n.			
	С	The	fourth batch in Taj	weed is more	e than half.					

15	Кеу	В	The fish shop sold two types of shrimp for a total amount of BD 140.000. This means that it sold medium-sized shrimp in multiples of 4 kg (BD 1.750 × 4 = BD 7.000) and large- sized shrimp in multiples of 5 kg (BD 2.200 × 5 = BD 11.000).If we divide the total amount by the sum of the selling prices, we get (BD 140 ÷ BD 3.95 = 35.44), which gives an average of 35.44 kg. Using systematic search, we find the following as shown in the below Table.BShrimpSales RevenueGross									
				quantit	y (kg)	(BD	))	Revenue				
				medium	large	medium	large	(BD)				
				32	40	56	88	144				
				36	35	63	77	140				
				40	30	70	66	136				
			Base 140 shrir	Based on the above Table, we note that a revenue of BD 140 can be obtained by selling 36 kg of medium-sized shrimp and 35 kg of large sized shrimp.								
	Distra	ctors										
	A	Refe	r to th	<u>e above T</u>	able.							
	С	The	The quantity sold of medium-sized shrimp.									
	D	Refe	r to th	e above T	able.							
16	Кеу	С	Tota BHD The deliv	26.400 (8 26.400 (8 amount rering her d	three b × 1.1 × charged order is E	oxes of in 3). by the 3HD 2.600	cense, i company (29 - 26.	ncluding VA / to Fatima .400).	for			
	Distrac	tors										
	A	Cons	sider t	he delivery	/ cost pe	er box.						
	В	Only	calcu	late the ac	ded valu	le.						
	D	The	addeo	d value wa	s not cal	culated.						
17	Кеу	с	The of it dista the t	third hotel s service ance from t otal cost fo	meets a level, w he city c or three r	II of Yaqou which is no center, prov nights is the	b's requi o less t vision of e lowest	irements in te han 4 stars free service, possible (\$43	erms , its and 35).			
	Distra	ctors										
	Α	The	hotel's	s service le	evel is le	ss than 4 s	tars.					
	В	Ther	e is n	o free serv	ice.							
	D	lt me poss	ets al ible.	ll the requi	rements	but the tota	al cost is	not the lowe	st			

18	Key Distra A B	D actors Numb Numb	The first printer printed 4200 pages in two hours (700 $\times$ 6). The second printer printed 2800 pages in two hours (700 $\times$ 4). The third printer printed 3600 pages in two hours (1200 $\times$ 3). Total: 10600 pages. er of sheets printed using each printer twice for each rate er of sheets printed in just one hour
	С	minute	esting that the third printer printed 700 Sheets every 40
19	Кеу	В	Number of startups for one company must be four times the number of startups in the country with the fewest startups. Number of startups for one company must be three times the number of startups in the country with the fewest startups. Number of startups for one company must be twice Number of startups in the country with the fewest startups.
	Distra	actors	
	Α	See a	bove.
	С	See a	bove.
	D	See a	bove.
20	Key	С	The largest possible sum for card numbers is 18 for the owner of card No. 99. The sums that are divisible by 7 and less than 18 are only 7 and 14. The cards totalling 7 are: 7, 16, 25, 34, 43, 52, 61, 70 The cards totalling 14 are: 59, 68, 77, 86, 95 Therefore, the number of students participating in the next game is 13.
	Distra	actors	en ef eende thet edd on to 44 or 1
	A	Numb	er of cards that add up to 14 only.
	B	Numb	er of cards that add up to 7 only.
	D	Numb	er of numbers on the cards that are divisible by 7.

21	Key	<b>D</b> If the number 13 is entered into the programme, the final result of the operations is the number 449 $(13^2 + 21 \times 13 + 7)$ , which is a prime number as it is not divisible by 7, 13, or 29.
	Distra	actors
	Α	See above
	В	See above
	С	See above
22	Кеу	Due to Mahmoud's family circumstances, they cannot travel until 16/6/2024, so the tourist destination to Sri Lanka is not suitable for his family. Since his wife must return at least two days before her work date, the tourist destination to Malaysia is also not suitable for them. whereas Mahmoud desires the longest possible duration for the tourist trip, the destination to Singapore is appropriate. Thus, the amount Mahmoud will pay to the travel agency is: $3 \times 495 + 435 = BD 1920$
	Distra	actors
	Α	The cost of a trip to Sri Lanka, but it will be before Mahmoud's son finishes his exams.
	В	The cost of a trip to Turkey, but it's not the longest.
	D	The cost of a trip to Malaysia, but Mahmoud's wife won't get two days off before returning to work.
23	Кеу	<ul> <li>The total cost to purchase a family kebab plate (3.100), two large mixed plates (2 × 2.400), and a small meat cut plate (1.800) is BD 9.700.</li> <li>Hence, the amount Khalid will get back from the cashier is BD 10.300 (20 - 9.700).</li> </ul>
	Distra	actors
	Α	Considering that Khalid bought two family-sized mixed chicken plates
	В	Total cost of Khalid's order
	D	Considering that Khalid bought only one large mixed chicken plate

24			According to the Authority's model, the bill for consuming 17,560 gallons of water is as follows:							
	Кеу	в	Monthly Consumptio n (gallons)	Tariff (AED per gallon)	Monthly Consumpti on (gallons)	Bill				
			0 - 6000	0.035	6000	210.00				
			6001 - 12000	0.040	6000	240.00				
			12001- above	0.046	5560	255.76				
			Therefore, the bill	amount is AED	0 705.76.					
	Distra	actors								
	Α	Calcula	ate the first tier and	I the remaining	from the seco	ond tier.				
	С	Calculation the number of the second	Calculate the average price for the three tiers and multiply it by the number of gallons.							
	D	Consid	nsider the number of gallons to be in the third tier only.							
25	Key	С	To increase the nut that Najwa will sp the tools at the cho The total amount BD 40 (2 × (3 + 2 Therefore, Najwa making a total of 1	umber of tools f end an amoun eapest prices p for purchasing + 5 + 10)), leav can buy 8 addi 0 pieces (8 + 2	rom one tool, it of BD 120 a per tool. two tools of e ring BD 80 (12 tional pieces ( 2).	we assume and will buy each type is 20 - 40). 80 ÷ 10),				
	Distra	actors								
	Α	Buying budget	the maximum nu and the highest p	mber of the for rice per tool.	ourth tool with	the lowest				
	В	Forget	ting to add the two	mandatory par	ts for Najwa.					
	D	Total n	umber of tools that	t Najwa will buy	/.					

<ul> <li>Key</li> <li>B</li> <li>Key</li> <li>B</li> <li>Winning 5 rounds and obtaining B in 2 rounds, which is not possible.</li> <li>Winning 3 rounds and obtaining BD 1 4 rounds, which is not possible.</li> </ul>										noui al ai we leav leav	nt he moun find ving ving BD	e will nt he that: BD 3 BD 8 13 in
	Dietr	ootoro	4 rounds, wh	hich is i	not po	ssik	ole.					
	DIST		LOIS									
	Α	getting	ning 5 rounds and getting BD 25, drawing in one round and ng BD 2, and losing in one round.									
	С	Winnir receivi	ng 5 rounds and receiving BD 25, drawing in 2 rounds and ing BD 4									
	D	Winnir	ng 6 rounds ar	nd rece	eiving	BD	30 a	and Ic	sing in	one	e rou	nd.
27			The below goods for the	The below Table shows the profit margins of the four goods for the year 2022								
	Key	D		G	oods		ре	Pro rcen	fit tages			
					A			159	%			
					В			40	%	-		
					С			159	%			
					D			309	%			
	Distr	actors	ctors									
	Α	Profit 2020.	percentages	of the	shop	in	the	four	goods	for	the	year
	В	Profit 2021.	percentages	of the	shop	in	the	four	goods	for	the	year
	С	Profit 2023.	percentages	of the	shop	in	the	four	goods	for	the	year

28			By adding 5 students to 8 classrooms, the number of					
			students in the cancelled classrooms is 40 (8 $\times$ 5); i.e. the					
	Key	В	number of students in each class is 20					
			$(40 \div 2)$ , hence the total number of students is 200					
	Dictr							
	DIStr	Since the person in charge has added 5 students to each of the						
		remaining 8 classrooms then he has redistributed $40.(5 \times 8)$						
	_	stude	nts. But he has cancelled two classrooms: which means					
	Α	that e	each class had 20 (40 $\div$ 2) students. Accordingly, only 8					
		classr	ooms are taken into account, which makes the total					
		numb	er of students 160 ( $20 \times 8$ ).					
		Since	the person in charge has added 5 students to each of the					
		remai	ning 8 classrooms, then he has redistributed 40 (5 $\times$ 8)					
	•	stude	nts. But he has cancelled two classrooms; which means					
	C	that e	ach class had 20 (40 $\div$ 2) students. By adding 5 students,					
		accol	unt which makes the total number of students 250 (10 x					
		25). Since the person in charge has added 5 students to each of the						
	П	remai	ning 8 classrooms, then he has redistributed 40 (5 $\times$ 8)					
	D	stude	nts. Accordingly, 10 classes are taken into account, which					
		make	s the total number of students $400 (40 \times 10)$ .					
29			From the figure, it is clear that the third-place prize is twice					
			the fourth-place prize, so the third-place prize will be					
			(300 x 2) BD 000. It is also clear from the figure that the second-place prize					
			equals the sum of the third and fourth-place prizes, so the					
	Кеу	С	second-place prize will be (600 + 300) BD 900.					
			It is also clear from the figure that the first-place prize					
			equals the sum of the prizes for the other three places,					
			which is BD 1800 (300 + 600 + 900).					
	DIStr	actors						
	Α	See a	bove.					
	В	See a	bove.					
	D	Total of the four prizes.						

30			The below Table shows Mohammed's cumulative points									
			at the end of each of the six rounds.						•			
			-			1						
				Round	Round points	Cumu at the	lative end c	points of the				
	Kev	Α		4	- 10		rouna					
	<b>,</b>		-	1	18		18		-			
			-	2			<u> </u>		-			
			-	3	<u> </u>		49		-			
			-	4	<u> </u>							
			-	5	24		10		-			
				U	10		94					
	Distra	actors	actors									
	В	Calcu and o	dd numb	ound point pers.	s without a	pplying	the pri	nciple c	of even			
	С	Reve calcu	rsing th lating the	ne conditi e points fo	ons of ev r each round	ven and d.	d odd	numb	ers in			
	D	Apply sum of not ba	ing the o of the tw ased on	conditions vo visible r the numbe	of even an numbers, w ers themselv	d odd nu hether it ves being	umbers : is eve g even	based on or oc or odd.	on the ld, and			
			the withdrawn amount from the total of her monthly salary plus the previous month's balance. Points are calculated by dividing the monthly balance (provided it is not less than BD 300) by 10 and removing the decimal fractions. The below Table shows Eman's balance for each month						salary culated ot less ons. month			
	KeyBTotal amounts withdrawn (BD)Bala nce (BD)						Poin ts					
				July	80	00	285	0				
				Augus	t 97	71	368	36				
				Septemb	<b>ber</b> 11	22	300	30				
				Octobe	e <b>r</b> 91	17	437	43				
				Novemb	<b>er</b> 83	33	658	65				
				Decemb	<b>er</b> 96	60	752	75				
			Total points249									
	Distra	actors										
	Α	Exclu	ding the	points for	September	as the b	alance	is BD 3	300.			
	С	Addin	ig an ext	tra point fo	r amounts l	ess than	Adding an extra point for amounts less than BD 10.					
		Disregarding the condition for earning monthly points for July as Eman's balance was less than BD 300.										

32	Key	B If Hamad ships his boxes in one shipment, the cost will be BD 65 ( $25 + 5 \times 8$ ). If Hamad ships his boxes in two shipments, the cost will be BD 60 ( $25 + 25 + 5 \times 2$ ). If Hamad ships his boxes in three shipments, the cost will be BD 75.						
	Distra	actors						
	Α	To ship the boxes in two shipments without calculating additional shipping costs.						
	С	See above						
	D	See above						
33	<b>Key B B B B B B B C C C C C C C C C C</b>							
	Distra	actors						
	Α	It is not possible to achieve the passing grade.						
	С	The minimum grade Ahmed must achieve in the final exam to pass the course without the substitution system.						
	D	The total minimum score Ahmed needs to achieve in the final exam to pass the course, including the substituted grade for the first test.						
34	<ul> <li>34 Since the ratio of the number of male students to students in the private school is 15:16, i.e. the number of 31 (15 + 16). The number a multiple of 31 and falls between 1220 and 1250 Therefore, the number of female students is 640. (1240 × 16) 31</li> </ul>							
	Distra	actors						
	Α	Number of male students this year.						
	В	Considering that the total number of students is 1209.						
	D	Considering that the total number of students is 1271.						

35		The below Table shows the total number of rooms in each hotel along with the total rental price for a week.						
				Hotel	Total number of rooms	Total rental price for a week (\$)		
		6		Α	77	21560		
				В	92	32200		
	Kov			С	59	18585		
	пеу			D	70	26950		
				E	86	36120		
				F	99	27720		
				G	106	37100		
		The hotels with an even number of rooms are: Hot Hotel D, Hotel E, Hotel G The total amount paid to rent these hotels for a week \$32200 + \$26950 + \$36120 + \$37100 = \$132370						
	Distra	actors	ctors					
	Α	The c	ne cost of renting hotels for one night.					
	В	Calculate the total number of rooms for each hotel by multiplying the number of floors indicated in the Table (without subtracting the last floor) by the number of rooms per floor, then adding the number of rooms on the last floor. Then calculate the total price for hotels with an even total number of rooms. Calculate the total number of rooms for each hotel by multiplying the number of floors mentioned in the table (without subtracting the last floor) by the number of rooms per floor, then calculate the total price for hotels with an even total number of rooms.						
	D							

36	Key	С	Shaker can place 4 boxes lengthwise $(5.2 \div 1.1)$ , and 2 boxes widthwise $(2.7 \div 1.1)$ , and only 2 boxes on top of each other. Therefore, the number of boxes that can be placed in the truck at one time is 16 boxes. However, due to the maximum load weight of the truck, Shaker can carry a maximum of 15 boxes (15 x 130 = 1950). Consequently, the number of trips the truck will make between the factory and the shop is 11 trips going and 10 trips returning, with a total of 21 trips. The minimum distance is 420 Kg (20 x 21)				
	Distra	actors					
	Α	The shortest distance without considering conditions.					
	В	The shortest distance without considering the maximum weight the truck will carry.					
	D	Adding the return distance between the shop and the factory after transporting the last quantity of boxes.					
37	Key	A All requirements are met.					
	Distra	actors					
	В	The speed of the first car did not stabilize in the first 5 seconds.					
	С	The speed of the second car increased, while the speed of the first one decreased in the last 5 seconds.					
	D	Speed is changed between the two cars.					

38		The average of the cheapest group to the total amount is							
			7 (280	0 ÷ 40). E	By system	natically s	earching	for the a	mount
			of BD	280 from	n the chea	apest gro	up with a	count of	6, we
			find th	ne followir	ng:				
									1
				Numb er of	Amou nt	Categ ory	Categ ory Two	Categ ory Three	
				Pieces		One 50	45	40	
				27	285	0	1	6	
				23	245	0	1	5	
				26	290	0	2	5	-
				25	295	0	3	4	-
				22	250	0	2	4	-
				24	300	0	4	3	-
				21	255	0	3	3	-
				23	305	0	5	2	-
				20	260	0	4	2	-
	Kev	C		22	310	0	6	1	-
				19	265	0	5	1	
				19	325	2	5	0	
				17	275	1	5	0	
				18	330	3	4	0	
				16	280		4	0	
				17	200	4	<u>、</u>	0	
				10	200	3 1	3 2	0	
				14	230	4	2	0	
				12	295	5	1	0	
				11	235	4	1	0	
				16	280	4	0	2	
					_00		•	_	1
			Accordingly, Ammar bought two sets of the first ty						
			four s	sets of the	e second	type for	a total o	f BD 280	). The
			number of pieces is 16 ( $2 \times 2 + 4 \times 3$ ). Alternatively, Ammar might have bought four sets of						
			first ty	/pe and t	wo sets o	of the thir	d type, to	otaling BE	) 280.
			The n	umber of	pieces is	16 (4 × 2	+ 2 × 4).		
	Distra	actors							
	Α	Numb	per of p	ossible se	ets that A	mmar bou	ught.		
	В	Total	amoun	t is BD 2	90.				
	D	Purch	asing	only from	the third	category.			

39	Key	Α	The drawing matches the levels of change.						
	Distra	actors							
	В	The p	The percentages were presented directly without calculating the ratios						
	С	Oppos	Opposite the levels of change between white sugar and white flour						
	D	Chang	ging the levels from the original consumption.						
40	Кеу	С	<b>C</b> The cost of the first product is BD 129 (115 + 11 + 3), so Haitham will set his profit at BD 38.700 (129 × 0.3). The cost of the second product is BD 116 (103 + 9 + 4), so Haitham will set his profit at BD 34.800 (116 × 0.3). The cost of the third product is BD 96 (81 + 10 + 5), so Haitham will set his profit at BD 28.800 (96 × 0.3). Since the profit percentage is fixed, the highest profit will be achieved by spending the most amount of money. The highest profit will be achieved by importing and selling two pieces of the first product and one piece of the third product, costing BD 354 (129 × 2 + 96), with a profit						
	Distra	actors							
	Α	Impoi	rt and sell only one piece of each product.						
	В	The h	highest profit from importing and selling only one product,						
		wnich Impor	i is the second product.						
	D	the se	Import and sell one piece of the first product, and two pieces of the second product, at a cost of BD 361 ( $129 + 116 \times 2$ ), with a profit of BD 108.300.						