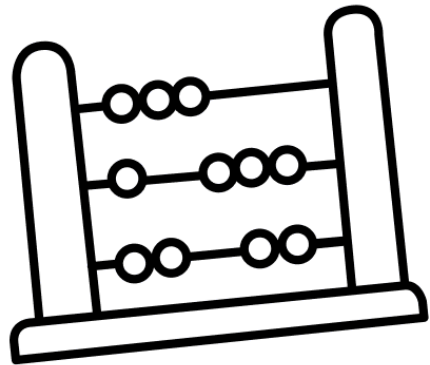


Isticmaalida jaantusyada laba-geesoodka ah (two-way tables) si loo muujiyo natiijooyinka laba dhacdo (events)



Maths

Cutub: Itimaalka (Probability): natiijooyinka suurtagalka ah (possible outcomes)

Natiijo

Waxaan si nidaamsan u heli karaa dhammaan natiijooyinka suurtagalka ah (possible outcomes) ee laba dhacdo (events) adigoo isticmaalaya jaantus laba-geesood ah (two-way table).

Erayada muhiimka ah

Jaantuska natiijada (outcome table) waa jaantus muujinaya dhammaan natiijooyinka suurtagalka ah (possible outcomes).

Qaabka casharka

Isticmaalida jaantusyada laba-geesoodka ah (two-way tables) si loo muujiyo natiijooyinka laba dhacdo (events)



Jaantuska natiijada (outcome table) ee tijaabo laba-wareeg ah (two-stage trial)



Jaantuska natiijada (outcome table) ee laba dhacdo (events)



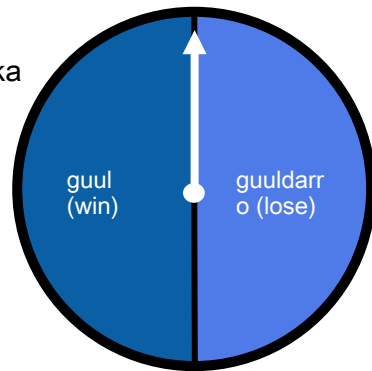
Soo noqnoqoshada (Frequency) ee jaantuska laba-geesoodka ah (two-way table)

Haddii aan si laba jeer u wareejinno wareejintaan (spinner), waa maxay natiijooyinka suurtagalka ah (possible outcomes)?

Waxaan samayn karnaa jaantus natiijada (outcome table) si aan u go'aamino natiijooyinka suurtagalka ah (possible outcomes).

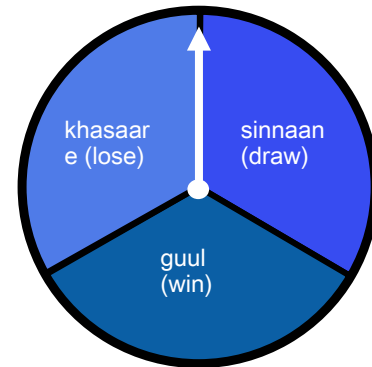
Tiirarka (columns) waxay noqon doonaan natiijooyinka wareejinta 1 (spin 1).

Safka (rows) waxay noqon doonaan natiijooyinka wareejinta 2 (spin 2).



Haddii aan laba jeer wareejiinno wareejiyahan (spinner), maxay yihiin natiijooyinka suurtoogalka ah?

Shaxda natiijooyinka (outcome table) waxay kaa caawin doontaa in la go'aamiyo natiijooyinka suurtoogalka ah.



		wareejiin 1 (spin 1)		
		guul (win)	khasaa re (lose)	sawir (draw)
wareejiin 2 (spin 2)	guul (win)			
	khasaa re (lose)			
	sawir (draw)			

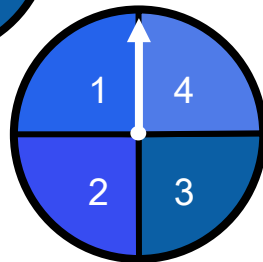
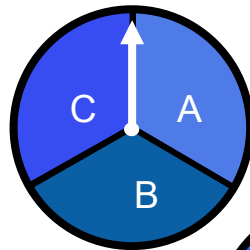
Tijaabo waa in la wareejiyo labada wareeg (spinners).

Waxaan samayn karnaa shax natiijooyin ah si aan u muujinno natiijooyinka suurtagalka ah.

wareegga 1 (spinner 1)				
		A	B	C
wareegga 2 (spinner 2)	1			
	2			
	3			
	4			

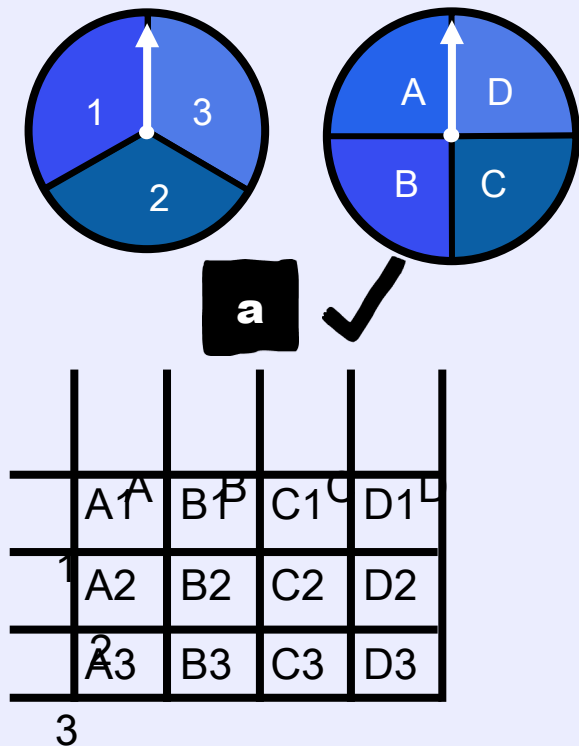
Ma muhiim tahay wareegga loo yaqaan 'spinner 1'?

Xaaladdan, maya. A1 iyo 1A waa isku natiijo.



Shaxda natiijooyinka ee tijaabo laba heer ah (Natiijada table from a two-stage trial)

Kee ka mid ah kuwan soo socda ayaa noqon kara shax natiijooyin ah labadan wareeg?



b ✓

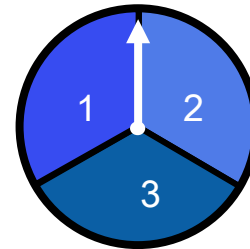
	1	2	3
A	1A	2A	3A
B	1B	2B	3B
C	1C	2C	3C
D	1D	2D	3D

c

	1	B	3
A	1A	BA	3A
2	12	B2	32
C	1C	BC	3C
D	1D	BD	3D

Ciyaar baa la ciyaarayaa halkaas oo wareegga ugu sarreeya uu guuleysto.

Suad iyo Nuur ayaa ciyaarta ciyaaraya, labadooduba waxay leeyihiin wareejiye (spinner).



		Suad		
		1	2	3
Nuur	1	guul ma jirto	Suad ayaa guuleysatay	Suad ayaa guuleysatay
	2	Nuur ayaa guuleystay	guul ma jirto	Suad ayaa guuleysatay
	3	Nuur ayaa guuleystay	Nuur ayaa guuleystay	guul ma jirto

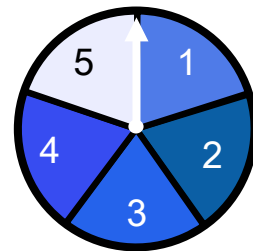
Labadan natiijaba (outcomes) waa hal wareejiye (spinner) oo leh '1' iyo kan kale oo leh '2'.

Si kastaba ha ahaatee, qoondaynta (allocation) nambarka qofka ayaa hadda muhiim ah, si loo go'aamiyo cidda guuleysata.

Shaxda natiijada (outcome table) ee tijaabada laba-tallaabo (two-stage trial)

Waa la ciyaarayaa ciyaar halkaas oo wadarta (total) labada wareejiye (spinner) ee wareejinta (spins) ay go'aamiso tirada tiriyaasha (counters) la soo ururiyay.

Shaxda natiijada (outcome table) waxay tusi kartaa wadarta (totals) suurtoogalka ah, taas oo kuu ogolaanaysa inaad aragto suurtoogalnimada (likelihood) helista tiradaas tiriyaasha (counters).



		wareejin 1 (spin 1)				
		1	2	3	4	5
wareejin 2 (spin 2)	1	2	3	4	5	6
	2	3	4	5	6	7
	3	4	5	6	7	8
	4	5	6	7	8	9
	5	6	7	8	9	10

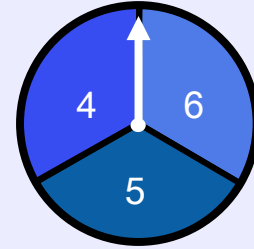
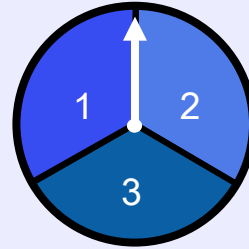
Tirada suurtoogalka ah ee tiriyaasha (counters) waa {2, 3, 4, 5, 6, 7, 8, 9, 10}

Natiijooyinkan (outcomes) iskuma dhigma suurtoogalnimada (equally likely).

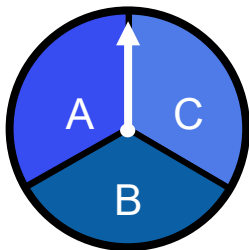
Shaxda natijada (outcome table) ee tijaabo laba heer ah (two-stage trial)

Labada wareejiye (spinners) waa la wareejin doonaa (spun) nambaradana waa la isku dhufan doonaa (multiplied). Buuxi shaxda natijada (outcome table).

	1	2	3
4	4	8	12
5	5	10	15
6	6	12	18

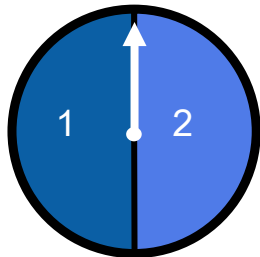
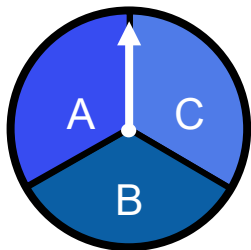


1) Wareeggan (spinner) waxaa la wareejin doonaa laba jeer oo qayb ka mid ah tijaabo laba heer ah (two-stage trial). Buuxi shaxda natiijada (outcome table) si aad u muujiso dhammaan natiijooyinka suurtagalka ah.



	A	B	C
A			
B			
C			

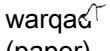
2) Labada wareeg (spinners) ayaa la wareejin doonaa qayb ka mid ah tijaabo laba heer ah (two-stage trial). Buuxi shaxda natiijada (outcome table) si aad u muujiso dhammaan natiijooyinka suurtagalka ah.



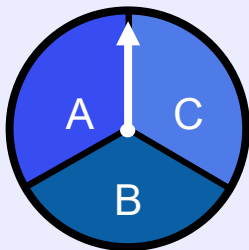
	1	2
A		
B		
C		

3) Layla iyo Isra waxay ciyaarayaan ciyaarta 'dhagax, warqad, maqas' (rock, paper, scissors), halkaas oo dhagax uu ka adkaado maqas, maqas uu ka adkaado warqad, iyo warqad ay ka adkaato dhagax.

Buuxi shaxda natiijada (outcome table) si aad u muujiso marka qof kastaa guuleysto.

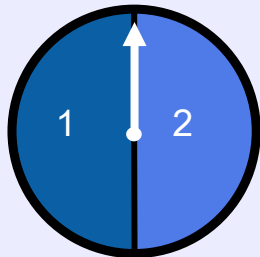
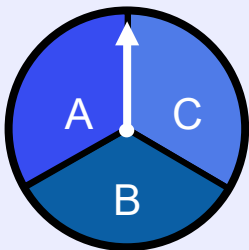
		Layla		
		 dhagax (rock)	 warqad (paper)	 maqas (scissors)
Isra	 dhagax (rock)			
	warqad (paper)			
	 maqas (scissors)			

1) Wareeggan (spinner) waxaa la wareejin doonaa laba jeer oo qayb ka mid ah tijaabo laba heer ah (two-stage trial). Buuxi shaxda natiijada (outcome table) si aad u muujiso dhammaan natiijooyinka suurtagalka ah.



	A	B	C
A	AA	AB	AC
B	BA	BB	BC
C	CA	CB	CC

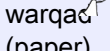
2) Labada wareeg (spinners) waa la wareejin doonaa qayb ka mid ah tijaabada laba marxaladood (two-stage trial). Buuxi shaxda natijada (outcome table) si aad u muujiso dhammaan natiijooyinka suurtagalka ah.



	1	2
A	A1	A2
B	B1	B2
C	C1	C2

3) Layla iyo Isra waxay ciyaarayaan ciyaarta 'dhagax, warqad, maqas' (rock, paper, scissors), halkaas oo dhagax (rock) ka adkaado maqas (scissors), maqas (scissors) ka adkaado warqad (paper), warqad (paper) ka adkaato dhagax (rock).

Buuxi shaxda natiijada (outcome table) si aad u muujiso goorta qof kasta uu guuleysto.

		Layla		
		 dhagax (rock)	 warqad (paper)	 maqas (scissors)
Isra	 dhagax (rock)	qofna (no one)	Layla	Isra
	warqad (paper)	Isra	qofna (no one)	Layla
	 maqas (scissors)	Layla	Isra	qofna (no one)

Isticmaalka shaxanka laba-geesoodka ah si loo muujiyo
natiijooyinka laba dhacdo



Shaxda natiijooyinka ee tijaabo laba heer ah



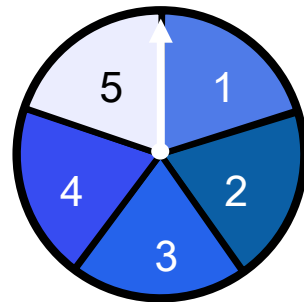
Shaxda natiijooyinka ee laba dhacdo



Soo noqnoqoshada (Frequency) ee shaxanka laba-geesoodka ah

Haddii wareegtan la wareejiyo, natiijooyinka suurtagalka ah waa {1, 2, 3, 4, 5}.

Isra iyo Cabdi waxay ciyaarayaan ciyaar. Isra waxay heshaa dhibic haddii ay ku soo baxdo tiro kooban (prime number) Cabdina wuxuu heshaa dhibic haddii ay ku soo baxdo tiro aan caadi ahayn (odd number).

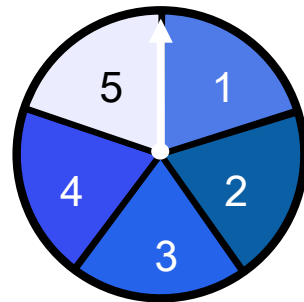


Shaxda natiijooyinka waxaa loo samayn karaa si loo kala saaro natiijooyinka suurtagalka ah.

	tiro kooban (prime number)	ma aha tiro kooban (not a prime number)
tiro aan caadi ahayn (odd number)	3 5	1
ma aha tiro aan caadi ahayn (even)	2	4

Haddii wareegtan la wareejiyo, natiijooyinka suurtagalka ah waa {1, 2, 3, 4, 5}.

Isra iyo Cabdi waxay ciyaarayaan ciyaar. Isra waxay heshaa dhibic haddii ay ku soo baxdo tiro kooban (prime number) Cabdina wuxuu heshaa dhibic haddii ay ku soo baxdo tiro aan caadi ahayn (odd number).



Dhammaan natiijooyinka suurtagalka ah, goobta muunadda (sample space), waxaa lagu muujiyay shaxda natiijooyinka.

	tiro kooban (prime number)	ma aha tiro koowaad (not a prime number)
tiro kisi (odd number)	3 5	1
ma aha tiro kisi (xataa) (not an odd number (even))	2	4

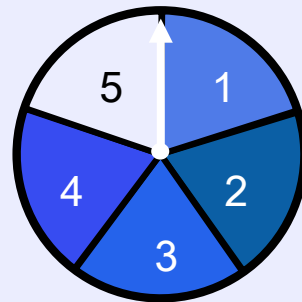
Jaantuska natijada (outcome table) ee laba dhacdo (two events)



Hubi

Isra iyo Cabdi waxay go'aansadeen inay beddelaan xeerarka ciyaartooda. Isra hadda waxay helayaas dhibic (point) haddii wareejiyaha (spinner) ku soo baxo 'tiro xataa (even number)' Cabdi wuxuu helayaa dhibic (point) haddii wareejiyaha (spinner) ku soo baxo 'qaybiyaha 6 (factor of 6)'.

Buuxi jaantuska natijada (outcome table).



	qaybiyaha 6 (factor of 6)	ma aha qaybiyaha 6 (not a factor of 6)
tiro xataa (even number)	2	4
ma aha tiro xataa (kisi) (not an even number (odd))	3	5

Jaantuskan natiijada (outcome table) waxaa loo sameeyay laba dhacdo (two events) oo ka yimid tijaabo (trial).

Waa maxay booska muunadda (sample space) ee tijaabadan (trial)?

	tiro labajibbaaran (square number)	ma aha tiro labajibbaaran (not a square number)
tiro kisi (odd number)	1 9	3 5 7
ma aha tiro kisi (xataa) (not an odd number (even))	4	2 6 8

Dhacdada 1 (Event 1) = tirooyinka kisi (odd numbers) = {1, 3, 5, 7, 9}

Dhacdada 2 (Event 2) = tirooyinka labajibbaaran (square numbers) = {1, 4, 9}

Kee ka mid ah natiijooyinka (outcomes) ayaa ku jira labada dhacdo (both events)?

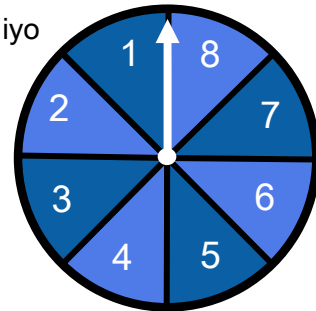
Isticmaal jaantuskan natijada (outcome table) si aad u qorto booska muunadda (sample space).

	faktor (factor) ee 12	ma aha faktor (factor) ee 12
tiro badan (multiple) ee 3	3 6	9
ma aha tiro badan (multiple) ee 3	1 2 4	5 7 8

Meel saami (Sample space) = {1, 2, 3, 4, 5, 6, 7, 8, 9}

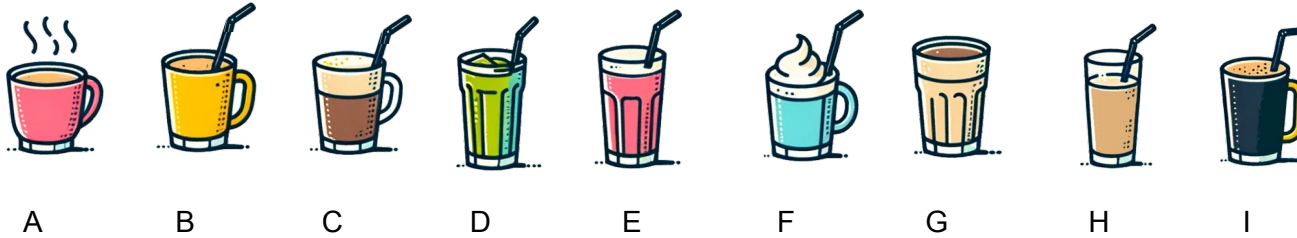
1) Wareegga (spinner) waa la wareejin doonaa. Labada dhacdo (events) waa tirooyinka siman (even numbers) iyo faktorrada (factors) ee 14.

Buuxi shaxdan natiijada (outcome table) si aad u muujiso natiijooyinka dhacdo kasta.



	tirooyinka siman (even numbers)	tirooyinka khafifka ah (odd numbers)
faktorrada (factors) ee 14		
ma aha faktorrada (factors) ee 14		

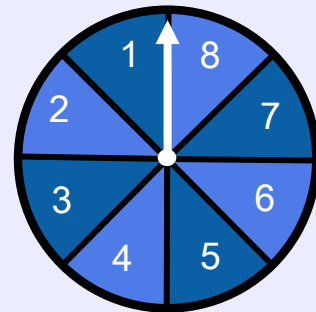
2) Kala saar cabitaannadan shaxda natijada (outcome table).



	gacanta (handle)	gacanta la'aan (no handle)
balo (straw)		
balo la'aan (no straw)		

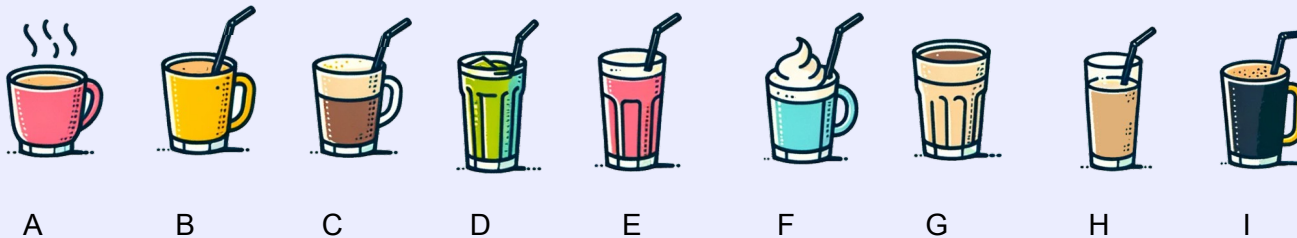
1) Wareegga (spinner) waa la wareejin doonaa. Labada dhacdo (events) waa tirooyinka siman (even numbers) iyo faktorrada (factors) ee 14.

Buuxi shaxdan natiijada (outcome table) si aad u muujiso natiijooyinka dhacdo kasta.



	tirooyin siman (even numbers)	tirooyin kisi (odd numbers)
tirooyinka qaybiyaha 14 (factors of 14)	2	1 7
ma aha qaybiyayaasha 14 (not factors of 14)	4 6 8	3 5

2) Kala saar cabitaannadan shaxda natijada.



	gacan (handle)	gacan la'aan (no handle)
balooq (straw)	B C F I	D E H
balooq la'aan (no straw)	A	G

Qaabka casharka

Isticmaalka shaxda laba-geesoodka ah si loo muujiyo natiijooyinka laba dhacdo (Using two-way tables to display outcomes for two events)



Shaxda natijada ee tijaabo laba-tallaabo ah (Natijada table from a two-stage trial)



Shaxda natijada ee laba dhacdo (Natijada table from two events)



Inta jeer ee shaxda laba-geesoodka ah (Frequency in a two-way table)

Inta jeer ee shaxda laba-geesoodka ah (Frequency in a two-way table)



Sharaxaad

Waa kuwan koofiyadaha xaflladda ee xirmada.



Qaar ka mid ah waxaa loo sheegi karaa inay yihiin kuwa xariiqaysan (striped).

Qaar ka mid ah waxaa loo sheegi karaa inay leeyihiin dusha sare (toppers).

Waxaan u kala saari karnaa shax natiijada oo ku salaysan dusha sare iyo xariijimaha.

	xariiqaysan (striped)	aan xariiqaysnayn (not striped)
dusha sare (topper)		
aan topper lahayn (no topper)		

Soo noqnoqosho (Frequency) ee jaantus laba-jibaaran (two-way table)

	xariijimo leh (striped)	aan xariijimo lahayn (not striped)
topper		
aan topper lahayn (no topper)		

Halkii aan haysan lahayn koofiyadaha xafladda, waxaan diirada saari karnaa soo noqnoqoshada (frequency).

Waxaa jira laba koofiyadood oo xaflad, kuwaas oo labaduba xariijimo leh (striped) iyo topper leh.

Waxaan sii wadi karnaa tirinta soo noqnoqoshada (frequencies) si aan u dhisno jaantus soo noqnoqosho (frequency table).

Soo noqnoqosho (Frequency) ee jaantus laba-jibaaran (two-way table)

	xariijimo leh (striped)	aan xariijimo lahayn (not striped)	wadarta (total)
topper	2	4	6
aan topper lahayn (no topper)	3	1	4
wadarta (total)	5	5	10

Haddii aan sii wadno tirinta sidan, waxaan ku dhammeeynaa jaantuskan soo noqnoqosho (frequency table).

Soo noqnoqosho (Frequency) ee jaantus laba-jibaaran (two-way table)

Axmed wuxuu qabanqaabinayaa raffle samafal. Tigidhuhu waa huruud, buluug, ama casaan, mid walbana wuxuu leeyahay lambar 3-godoodle ah. Wuxuu go'aansaday inuu tixgeliyo laba dhacdo: in tigidhku yahay huruud (Y), iyo in tigidhku leeyahay lambar khayaali ah (odd).



Wuxuu si qayb ahaan u buuxiyay jaantuskan laba-jibbaaran (two-way table).

Ma jiraan macluumaad ku filan oo lagu dhammaystiro?

Haa. Tigidhadu waa 'odd' ama 'not odd', taas oo macneheedu yahay wadarta (total) 'odd' (20) iyo wadarta (total) 'not odd' (19) waxay siinaysaa tirada guud ee tigidhada raffle-ka (39).

Joogtaynta (Frequency) jaantuska laba-jibbaaran (two-way table)

Axmed wuxuu qabankaabinayaa raffle samafal. Tigidhadu waa yellow, blue ama pink mid kastana wuxuu leeyahay lambar 3-god (3 digit). Wuxuu go'aansaday inuu tixgeliyo laba dhacdo (events): in tigidhku yahay yellow (Y), iyo in tigidhku leeyahay lambar odd ah.



	Y	not Y	wadarta (total)
odd	6	14	20
not odd (even)		13	19
wadarta (total)			39

Wuxuu si qayb ahaan u buuxiyay jaantuska laba-jibbaaran (two-way table).

Ma jiraan macluumaad ku filan oo lagu dhammaystiro?

Marka waxaan ognahay inay jiraan wadar (total) 20 tigidh oo 'odd' ah, oo 6 ka mid ah yihiin 'yellow'. Tani waxay ka dhigan tahay in 14 tigidh oo 'odd' ah ay yihiin 'not yellow'.

Joogtaynta (Frequency) jaantuska laba-jibbaaran (two-way table)

Axmed wuxuu qabanqaabinayaa raffle samafal. Tigidhada waa huruud, buluug ama casaan, mid kastana wuxuu leeyahay lambar 3-god ah. Wuxuu go'aansaday inuu tixgeliyo laba dhacdo: in tigidhku yahay huruud (Y), iyo in tigidhku leeyahay lambar khayaali ah.



	Y	not Y	wadarta (total)
khayaali (odd)	6	14	20
aan khayali ahayn (even)	6	13	19
wadarta (total)			39

Wuxuu si qayb ahaan u buuxiyay jaantuska laba-jibbaaran (two-way table).

Ma jiraan macluumaad ku filan oo lagu dhammaystiro?

Sidoo kale, waxaa jira 19 tigidh oo 'not odd' ah, 13 ka mid ahna waa 'not yellow', taas oo macneheedu yahay in 6 ka mid ah tigidhada 'not odd' ay yihiin 'yellow'.

Axmed wuxuu qabanqaabinayaa raffle samafal. Tigidhada waa huruud, buluug ama casaan, mid kastana wuxuu leeyahay lambar 3-god ah. Wuxuu go'aansaday inuu tixgeliyo laba dhacdo: in tigidhku yahay huruud (Y), iyo in tigidhku leeyahay lambar khayaali ah.



	Y	aan Y ahayn	wadarta (total)
khayaali (odd)	6	14	20
aan khayali ahayn (even)	6	13	19
wadarta (total)	12	27	39

Sida jaantuskan laba-jibbaaran loo buuxiyay waxay noqon kartaa mid ka duwan.

Haddii aad taqaan laba qiime (value) oo ku yaal saf ama tiir kasta, waxaad heli kartaa qiimaha saddexaad.

Qiimaha ugu dambeeya wuxuu had iyo jeer u shaqayn karaa is-hubin (self check) iyadoo laga xisaabinayo safka iyo tiirka labadaba si loo hubiyo inay isku mid yihiin.

Hubi inay isku darkoodu yihiin wadarta guud. $12 + 27 = 39$ ✓

Soo noqnoqoshada (Frequency) ee jaantus laba-jibbaaran (two-way table)

Halkan waxaa ah jaantus laba-jibbaaran oo qayb ahaan buuxsamay oo ku saabsan cabbirka kabaha iyo kooxda sanadka ee dugsiga. Kee ayaa marka hore la xisaabin karaa?

	size 7	aan size 7 ahayn	wadarta (total)
sanadka 9	64		
'ma aha sanadka 9		552	714
wadarta (total)		601	

a

Tirada ardayda 'sanadka 9' ee leh cagaha 'aan ahayn size 7'.



b

Tirada guud ee ardayda 'sanadka 9'.

c

Tirada ardayda 'ma aha sanadka 9' ee cagta 'size 7' leh.



d

Tirada guud ee ardayda.

1) Tusaale (sample) random ah oo dadka ah ayaa la xulayaa iyadoo loo qoondeeyo tiro (integer) 1 ilaa 50 qof kasta, ka dibna lagu xulayo laba xeer. Xeerka 1 waa in tirada (integer) ay tahay tiro-ku-dhufasho (multiple) 10, xeerka 2 waa in tirada (integer) ay tahay tiro-ku-dhufasho (multiple) 4.

Buuxi shaxda laba-geesoodka ah (two-way table).

	tiro-ku-dhufasho (multiple) 10	ma aha tiro-ku-dhufasho (multiple) 10	wadarta (total)
tiro-ku-dhufasho (multiple) 4			
ma aha tiro-ku-dhufasho (multiple) 4			
wadarta (total)			50

2)



Caasha	Muusig (Music)	Ciyaaraha (Sport)
Cali	Muusig (Music)	
Isra		
Yacquub	Ciyaaraha (Sport)	
Nuur	Muusig (Music)	Ciyaaraha (Sport)
Cabdi	Muusig (Music)	Ciyaaraha (Sport)
Layla	Muusig (Music)	
Saciid	Muusig (Music)	
Axmed	Ciyaaraha (Sport)	
Suad	?	?

10 arday ayaa la weyddiiyay inay xubno ka yihiin naadiga ciyaaraha ama muusikada.

a) Goobo ku wareeji dhammaan tirooyinka shaxda ku jira ee ay ku jirto Isra.

b) Naadiyada ay samayso Suad, haddii ay jiraan?

	naadiga (club) ciyaaraha	naadi (club) ciyaaraha ma leh	wadarta (total)
naadiga (club) muusikada	3	4	7
naadi (club) muusikada ma leh	2	1	3
wadarta (total)	5	5	10

3) Buuxi sanduuqyada maqan ee shaxdan laba-geesoodka ah.

a)

	Isku dayga 1aad	Isku dayga 2aad	wadar ta (total)
gudub (pass)	12		
guuldarr o (fail)		6	22
wadarta (total)		16	

b)

	cunug (child)	qof weyn (adult)	wadarta (total)
muraaya daha (goggles)			23
muraaya d la'aan (no goggles)		31	
wadarta (total)		36	63

1) Dad si aan kala sooc lahayn ayaa loo xulayaa iyadoo loo qoondeeyo tiro (integer) 1 ilaa 50 qof kasta, ka dibna lagu xusho laba sharci. Sharci 1 waa in tiro (integer) uu yahay tiro-dhufasho (multiple) 10, sharci 2-na waa in tiro (integer) uu yahay tiro-dhufasho (multiple) 4.

Buuxi jaantuska laba-geesoodka ah (two-way table).

	tiro-dhufasho (multiple) 10	ma aha tiro-dhufasho (multiple) 10	wadarta (total)
tiro-dhufasho (multiple) 4	2	10	12
aan ahayn tiro-iska leh 4 (multiple of 4)	3	35	38
wadarta (total)	5	45	50

2)



Caasha (Aisha)	Muusik (Music)	Isboorti (Sport)
Cali (Andeep)	Muusik (Music)	
Isra (Izzy)		
Yacquub (Jacob)	Isboorti (Sport)	
Nuur (Jun)	Muusig (Music)	Ciyaar (Sport)
Cabdi	Muusig (Music)	Ciyaar (Sport)
Layla	Muusig (Music)	
Saciid	Muusig (Music)	
Axmed	Ciyaar (Sport)	
Suad	Muusig (Music)	

10 arday ayaa la weyddiiyay inay xubno ka yihiin naadi ciyaar (Sport) ama muusig (Music).

- Goobo ku wareeji dhammaan tirooyinka ku jira jaantuska ee ay ku jirto Isra.
- Suad waxay qabataa naadiyada kee, haddii ay jiraan?

	naadiga isboortiga (sports club)	ma jiro naadiga isboortiga (no sports club)	wadarta (total)
naadiga muusikada (music club)	3	4	7
ma jiro naadiga muusikada (no music club)	2	1	3
wadarta (total)	5	5	10

3) Buuxi sanduuqyada maqan ee shaxdan laba-jibbaaran (two-way table) kasta.

a)	Isku day 1aad	Isku day 2aad	wadarta a (total)
gudub (pass)	12	10	22
guuldarro (fail)	16	6	22
wadarta (total)	28	16	44

b)	ilmo (child)	qof weyn (adult)	wadarta (total)
muraayad aha ilaalinta (goggles)	18	5	23
muraayad la'aan (no goggles)	9	31	40
wadarta (total)	27	36	63

Soo koobid Isticmaalka miisaska laba jiho (two-way tables) si loo muujiyo natiijooyinka labada dhacdo (events)

Natiijooyinka waxaa lagu qori karaa miis natiijo (outcome table).

Tijaabo laba heer ah (two-stage trial), heerka koowaad waa tiirarka, kan kale waa safafka. Meesha natiijooyinka (sample space) waa natiijooyinka lagu muujiyay gudaha shaxda. Waa hab nidaamsan oo lagu dhiso meesha natiijooyinka (sample space).

Labo dhacdo (events) oo ka yimaada tijaabo, meesha natiijooyinka (sample space) waxaa loo kala saari karaa iyadoo loo eego dhacdooyinka (events).

Marka soo noqnoqoshada (frequencies) lagu muujiyo miis laba jiho (two way table), waxaa suurtagal ah in la helo qiimayaasha (values) maqan iyadoo la isticmaalayo wadarta (totals) tiirarka iyo safafka.