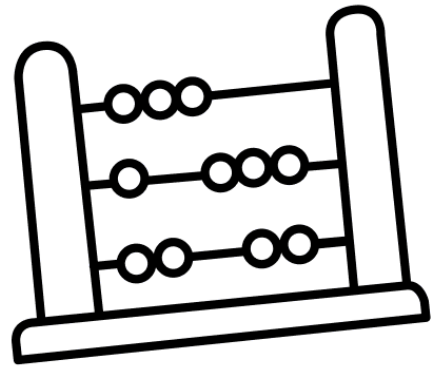


Maaraynta dhacdooyinka (Event management)

Maths

Unit Xisaabta goobta shaqada (Xisaab in the workplace)



Natiijo

Waxaan fahmi karaa sida xisaabta loogu isticmaalo maaraynta dhacdooyinka (event management).

Boqolkiiba (percentage) waa qayb ka mid ah guud.

Maaraynta dhacdooyinka (Event management)



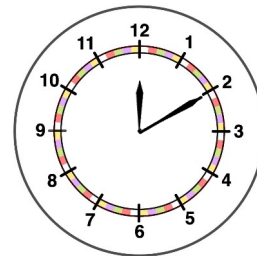
Xirfadaha xisaabta ee qorsheynta dhacdooyinka (event planning)



Qorsheynta dhacdadaada

Waa maxay qaybaha xisaabta ee aad u malaynayso in shirkadda maaraynta dhacdooyinka (event management) ay isticmaali karto?

- Bed (Area)
- Isku dhufasho (Multiplication)
- Qaybin (Division)
- Boqolleyda (Percentages)
- Lacag (Money)
- Waqti (Time)
- Faa'iido iyo khasaare (Profit & loss)
- Saami (Ratio)



Inta lagu guda jiro darsigan waxaan eegi doonnaa qaar ka mid ah kuwan.

Xirfadaha xisaabta ee qorsheynta dhacdooyinka (event planning)



Mid ka mid ah xirfadaha ugu muhiimsan ee qorsheeyaha dhacdooyinka (event planner) waa inuu ku shaqeeyo miisaaniyad (budget).

Maxaad u malaynaysaa inay tahay mid ka mid ah xirfadaha ugu muhiimsan?

Dhacdooyinka waa in loo habeeyaa si ay u 'xakameeyaan' (break even) ama u sameeyaan faa'iido (profit), ma aha khasaare (loss).

Waxay ku xiran tahay nooca dhacdada inay tahay dhacdo faa'iido (profit) leh, ama dhacdo 'xakameyn' (break even)' ah.

Waa maxay macnaha 'xakameyn' (break even)'?

Halkaas oo aynu jirin faa'iido (profit) iyo khasaare (loss) midna.

Ma ka fikiri kartaa tusaalooyin dhacdooyin ah?

- Qorshaynta riwaayad (concert)
- Qorshaynta xaflad muusik (music festival)
- Qorshaynta dhacdo isboorti (sports event)
- Qorshaynta dhacdo samafal (charity event)

Maxaa sababi kara in dhacdooyinkani 'xakameeyaan (break even)' halkii ay faa'iido (profit) ka samayn lahaayeen?

- libka tigidhada ugu yar (Minimum tickets sales)
- Qodob dibadeed (External factor) oo saameeya ka qaybgalka

Qiyaas inaad qorshaynayso tartan kubadda cagta 5-a-side oo samafal (charity) ah oo loogu talagalay 10 kooxood.

Waa maxay kharashyada (costs) la xiriira abaabulka dhacdadan?

E.g.

- Kiraysiga goobta (Hiring the venue)
- Kiraysiga shaqaalaha (Hiring staff)
- Kiraysiga musqulaha (Hiring toilets)
- Iibsiga koobabka & billadaha (Buying trophies & medals)
- Bixinta cuntada fudud & cabitaanka (Supplying refreshments)

Xirfadaha Xisaabta (Xisaab skills) ee qorsheynta dhacdada



Waxaad ku guulaysataa inaad soo hesho mutadawiciin (volunteers) si ay u shaqeeyaan dhacdada, laakiin waxyaabaha kale oo dhan waa in la qiimeeyaa (costed).

Goobta waxaa loo kiraystaa saacad kasta. Waxaad doonaysaa inaad u kiraysato waqti sax ah.

Dhacdadu waxay bilaabanaysaa 8:30 subaxnimo waxayna dhammaanaysaa 3 galabnimo.

Intee in le'eg ayay u baahan tahay inaad goobta u kiraysato?

6.5 saacadood

Qiimaha (cost) kiraysta goobta waa £250 saacad kasta, laakiin goobtu waxay bixisaa 10% dhimis (discount) maadaama ay tahay dhacdo samafal.

Immisa ayay noqon doontaa qiimaha (cost) kiraysta goobta?

$$7 \times 250 \times 0.9 = £1575$$

Run mise been?

Qiimaha (cost) kiraysta garoonka 5-a-side waa £40 saacad kasta. (Goobtu waxay ku siisaa 10% dhimis (discount).) Qiimaha (cost) kiraysta inta u dhaxaysa 9 subaxnimo iyo 4:30 galabnimo waa £270.



Run



Been



Tirada saacadaha = 7.5 taas oo macneheedu yahay waxaa nalagu dallaca 8

Qiimaha (cost) = $8 \times 40 \times 0.9$

Qiimaha (cost) = £288

Hadda aan kirayno suuliyo (toilets) qaar.

Qiimaha (cost) kiraysta suuli guurguura (portable toilet) waa £60 nus maalin (4 saacadood) ama £100 maalin.

Dhacdadan ma u kiraysan kartaa suuliyada (toilets) nus maalin?

Maya, dhacdadu waxay socotaa 6.5 saacadood.

Sidaa darteed, waxay u baahan yihiin inay bixiyaan qiimaha (rate) maalinlaha ah.

Ma u malaynaysaa in 1 suuli (toilet) ku filan yahay dhacdadan?

Malaha ma aha.

Aan eegno qiyaas (estimate) tirada dadka imanaya.

Taasi saameyn weyn kuma yeelanayso wadarta qiimaha (total cost) dhacdada. Waa uun £100.



Dhacdadu waa tartan kubadda cagta 5-a-side ee dhalinyarada samafalka ah oo loogu talagalay 10 kooxood.

Waa maxay qiyaas macquul ah ee tirada dadka ka soo qaybgalaya tartanka?

Waxay ka koobnaan doontaa xubnaha kooxda, taageerayaashooda iyo shaqaalaha.

Immisa ciyaartoy ayaa jiri doona?

10 kooxood oo 5 ciyaartoy ah. Laakiin, koox kasta waxay u badan tahay inay keenaan ciyaartoy kayd ah.

Haddii aan u qaadanno in koox kastaa ka kooban tahay 10 ciyaartoy oo ciyaartoy kastaa uu leeyahay 1 taageere.

Immisa qof ayaa kani yahay?

$$10 \times 10 \times 2 = 200$$

U qaad inay jiraan 50 mutadawiciin ah.

Qiyaasta guud ee tirada dadka ka soo qaybgalaya tartanku waa 250 qof.

Ma u malaynaysaa in 1 musqul (toilet) oo loogu talagalay 250 qof ay tahay mid macquul ah?

Maya, inkasta oo tani ay u keeni doonto lacag dheeri ah samafalka, waa in la tixgeliyo badbaadada iyo raaxada.

Ka dib baaritaan internet ah waxaan ogaaday in saamiga (ratio) lagu taliyay ee musqulaha (toilets) iyo dadka ee dhacdadu yahay 1 : 100

Immisa musqulood (toilets) ayaa loo kiraysan karaa dhacdadan?

$$250 \div 100 = 2.5$$

3 musqulood (toilets) ayaa loo baahan yahay in loo kiraysto dhacdada.

$$\text{Kharashka kiraysta musqulaha (toilets)} = 3 \times \text{£}100 = \text{£}300$$

Run mise been?

Tirada musqulaha (toilets) loo baahan yahay dhacdada ay ka soo qaybgalaan 820 qof waa 8 iyadoo loo malaynayo in saamiga (ratio) lagu taliyay ee musqulaha (toilets) iyo dadku yahay 1 : 100.



Run



Been



$$820 \div 100 = 8.2$$

Xaaladdan waxaad u baahan tahay inaad ku soo wareejiso (round up) 9 musqulood (toilets).

Xirfadaha Xisaabta (Xisaab) ee qorsheynta dhacdada



Maadaama kani yahay dhacdo samafal, shirkadda bixisa cuntada iyo cabitaanka ayaa ogolaatay inay taa sameyso bilaash.

Hadda waxaan u baahanahay inaan helno kharashka koobabka (trophies) iyo billadaha (medals).

Koox kastaa waxay leedahay 10 ciyaartoy.

Kuwa guuleysta iyo kuwa kaalinta labaad hela waxay helaan koob kooxeed iyo koob ciyaartoy kasta. Dhammaan ciyaartoyda kale waxay helaan bilad ka qaybgalka.

Xisaabi wadarta qiimaha (value) iibsashada koobabka iyo biladaha.

Abaalmarinta	Qiimaha (value) shay kasta
Koobka kooxda ee labada koox ee koowaad	£12.50
Koobka kuwa guuleysta iyo kuwa kaalinta labaad	£5.50
Biladda ka qaybgalka	£1

Xirfadaha Xisaabta (Xisaab) ee qorsheynta dhacdada



Waxaa jira 10 kooxood, koox kastana waxay leedahay 10 ciyaartoy.

Kuwa guuleysta iyo kuwa kaalinta labaad hela waxay helaan koob kooxeed iyo koob ciyaartoy kasta. Dhammaan ciyaartoyda kale waxay helaan bilad ka qaybgalka.

Xisaabi wadarta qiimaha (value) iibsashada koobabka iyo biladaha.

Maxaa loo baahan yahay in la iibsado?

- 2 koob oo kooxeed
- 20 koob oo guuleystayaasha iyo kuwa kaalinta labaad
- 80 biladood oo ka qaybgalka

Wadarta qiimaha (value) = $2 \times \text{£}12.50 + 20 \times \text{£}5.50 + 80 \times \text{£}1$

Abaalmarinta	Qiimaha (value) shay kasta
Koobka kooxda ee labada koox ee koowaad	£12.50
Koobka kuwa guuleysta iyo kuwa kaalinta labaad	£5.50
Bilad ka qaybgalka (Participation medal)	£1

Xirfadaha xisaabta (Xisaab skills) ee qorsheynta dhacdada



Hubi

Waxaa jira 8 kooxood oo koox kastaa waxay leedahay 7 ciyaartoy.

Kuwa guuleysta iyo kuwa labaad ee kusoo baxa waxay helayaan koob kooxeed iyo koob ciyaartoy kasta. Ciyaartoyda kale oo dhami waxay helayaan bilad ka qaybgalka (Participation medal).

Xisaabi wadarta qiimaha (cost) iibsiga koobyada iyo biladaha.

Maxaa soo baahan yahay in la iibsado?

:

2 koob oo kooxeed
14 koob oo horgeysa ciyaartoy kuwa guuleysta iyo kuwa labaad
42 biladood oo ka qaybgalka (Participation medals)

Wadarta qiimaha (Total cost) = $2 \times £12.50 + 14 \times £5.50 + 42 \times £1$

Abaalmarin (Award)	Qiimaha shay kasta (Cost per item)
Koob kooxeed (Team trophy) ee labada kooxood ee ugu horreeya	£12.50
Koob (Trophy) ee kuwa guuleysta iyo kuwa labaad	£5.50
Bilad ka qaybgalka (Participation medal)	£1

Qorsheeyaha dhacdadu wuxuu doonayaa inuu sameeyo faa'iido (profit) ugu yaraan £750.

Waa maxay celceliska qiimaha tigidhka (average ticket price) uu noqon karaa?

Wadarta qiimaha (Total cost) lagu qabto dhacdada = £1575 + £300 + £215
= £2090

Wadarta dakhliga (Total income) ee dhacdada u baahan yahay inuu noqdo = £2090 + £750
= £2840

Celceliska qiimaha tigidhka (Average ticket cost) = £2840 ÷ 250
= £11.36

Halkan waxaan ka go'aamin karnaa tigidhada kee inay noqdaan kuwa qaalisan iyo kee inay noqdaan kuwa jaban.

1) Qiimaha (value) kiraysiga goobta waa £45 saacaddii.

Xisaabi qiimaha (value) kiraysiga goobta muddooyinka soo socda:

a) 2 pm ilaa 5 pm

b) 8:30 am ilaa 4:30 pm

c) 7:45 am ilaa 6:00 pm

2) Si aad ugu raaxaysiiso dadka, waxaad go'aansatay inaad isticmaasho saamiga (ratio) 1 : 75 ee musqulaha ilaa dadka. Qiimaha (value) kiraysiga musqul waa £120.

Xisaabi qiimaha (value) kiraysiga musqulaha tirada dadka soo socota:

- a) 1500 qof
- b) 3200 qof
- c) 400 qof

3) Xisaabi qiimaha (value) abaalmarinnada iyo biladaha kuwa soo socda:

a) 7 kooxood oo 8 ciyaartoy ah

b) 12 kooxood oo 12 ciyaartoy ah

c) 10 kooxood oo 15 ciyaartoy ah

Abaalmarin	Qiimaha (value) shay kasta
Koobka kooxda ee labada koox ee koowaad	£12.50
Koobka kuwa guuleysta iyo kuwa labaad	£5.50
Biladda ka qaybgalka	£1

d) Adigoo isticmaalaya jawaabaha su'aalaha hore, xisaabi qiimaha (value) tigidhka celceliska haddii faa'iidada (profit) ay u baahan tahay ugu yaraan £1000.

7:45 subaxnimo ilaa 6:00 galabnimo oo leh 20% dhimis (discount) sababtoo ah waa dhacdo samafal.

10 kooxood oo 15 ciyaartoy ah

400 dad soo xaadira

1) Qiimaha (value) kiraysashada goobta waa £45 saacaddii.

Xisaabi qiimaha (value) kiraysashada goobta wakhtiyada soo socda:

a) 2 galabnimo ilaa 5 galabnimo $3 \times £45 = £135$

b) 8:30 subaxnimo ilaa 4:30 galabnimo $8 \times £45 = £360$

c) 7:45 subaxnimo ilaa 6:00 galabnimo $11 \times £45 = £495$



Xisaabi qiimaha (value) kiraysashada musqulaha tirada dadka soo socota:

a) 1500 qof $1500 \div 75 = 20$ $20 \times £120 = £2400$

b) 3200 qof $3200 \div 75 = 42.666...$ $43 \times £120 = £5160$

c) 400 qof $400 \div 75 = 5.333...$ $6 \times £120 = £720$

c) 400 people $400 \div 75 = 5.333...$ $6 \times £120 = £720$

3) Xisaabi qiimaha (value) abaalmarinta (trophies) iyo billadaha (medals) kuwa soo socda:

a) 7 kooxood oo 8 ciyaartoy ah

$$2 \times \text{£}12.50 + 16 \times \text{£}5.50 + 40 \times \text{£}1$$

$$= \text{£}153$$

b) 12 kooxood oo 12 ciyaartoy ah

$$2 \times \text{£}12.50 + 24 \times \text{£}5.50 + 120 \times \text{£}1$$

$$= \text{£}277$$

c) 10 kooxood oo 15 ciyaartoy ah

$$2 \times \text{£}12.50 + 30 \times \text{£}5.50 + 120 \times \text{£}1$$

$$= \text{£}310$$

Abaalmarin (Award)	Qiimaha shay kasta (Cost per item)
Koob kooxeed ee labada koox ee ugu horreeya (Team trophy for 1st two teams)	£12.50
Koobka ku guuleysta iyo kuwa kaalinta labaad (Trophy for winners and runners up)	£5.50
Bilad ka qaybgalka (Participation medal)	£1

d) Adigoo isticmaalaya jawaabaha su'aalaha hore, xisaabi celceliska qiimaha tigidhka haddii faa'iidada ay u baahan tahay inay tahay ugu yaraan £1000.

7:45 subaxnimo ilaa 6:00 galabnimo oo leh 20% dhimis (discount) maadaama ay tahay dhacdo samafal.

10 kooxood oo 15 ciyaartoy ah

400 ka qaybgale

Qiimaha goobta = $£495 \times 0.8 = £396$

Qiimaha suuliyada = £720

Qiimaha koobabka iyo biladaha = £310

Wadarta dakhliga u baahan yahay = $£1426 + £1000 = £2426$

Celceliska qiimaha tigidhka = $£2426 \div 400 = £6.07$

Hadda waxaan go'aamin karnaa tigidhada kee qaali yahay iyo kee ka jaban yahay.

Qaabka casharka

Maaraynta dhacdada (Event management)



Xirfadaha Xisaabta ee qorsheynta dhacdo (Xisaab skills in event planning)



Qorsheynta dhacdadaada

Waa maxay kharashyada la xiriira qorsheynta xaflad dhalasho?

- Casuumadaha (Invitations) (£4.99 xirmo 20 ah)
- Kiraysiga goobta (Hool yar £25 saacaddii, hool weyn £70 saacaddii)
- Madadaalada (Madadaaliye carruurta £110 saacaddii, disco £25 saacaddii, buunshii buunshiga £120 maalintii)
- Cuntada (£7.50 qofkii)
- Boorsooyinka xafladda (£2.70 ilmaha)

Aynu xisaabino qiimaha (value) xaflad dhalasho ah oo loogu talagalay 30 carruur ah.

Waxay rabaan madadaaliye.

Goob yar ayaa ku filan 30 carruur ah.

Xafladdu waxay noqonaysaa 2 galabnimo ilaa 5 galabnimo.

Casuumadaha	Xirmooyin 20 ah oo £4.99 ah, $2 \times £4.99 = £9.98$
Kiraysiga goobta	3 saacadood oo goob yar ah, $3 \times £25 = £75$
Madadaalada	Madadaaliye carruurta 2 saacadood = $2 \times £110 = £220$
Cuntada	$30 \times £7.50 = £225$
Boorsooyinka xafladda	$30 \times £2.70 = £81$
	Wadarta qiimaha (value) = £610.98

Run mise been?

Waa muhiim in la tixgeliyo iibiyeyaasha/alabada kala duwan marka la qorsheynayo dhacdo.



Run



Been

Waxaa laga yaabaa inaad hesho heshiis ka wanaagsan meel kale ama aad hesho siyaabo lagu badbaadiyo kharashka si aad u kordhiso faa'iidada ama u yarayso kharashka.

1) Qorshee dhacdadaada (event) adiga.

Ka dooro kuwan soo socda:

- Tartanka (tournament) samafalka (charity) oo ugu yaraan £500 ku soo ururinaya samafalka aad jeceshahay. Waa maxay qiimaha (value) tigidhka (ticket) kasta?
- Dhacdo aan faa'iido (profit) lahayn, xaflad dhalasho (birthday party) carruur ah oo miisaaniyad (budget) ah £800. Immisa carruur ah ayaa la casuumi karaa?
- Konsert (concert) muusik oo aad u baahan tahay inaad faa'iido (profit) 20% ka samaysato.
- Ama wax aad adigu dooratay.

Waxaad internetka u isticmaali kartaa si aad u baarto qiimaha (cost) goobaha (venues), cuntada (catering), iwm. Ama isticmaal kuwa lagu bixiyay darsigan (lesson).

1) Qorshee dhacdadaada (event) adiga.

Ka dooro kuwan soo socda:

- Tartanka (tournament) samafalka (charity) oo ugu yaraan £500 ku soo ururinaya samafalka aad jeceshahay. Waa maxay qiimaha (value) tigidhka (ticket) kasta?
- Dhacdo aan faa'iido (profit) lahayn, xaflad dhalasho (birthday party) carruur ah oo miisaaniyad (budget) ah £800. Immisa carruur ah ayaa la casuumi karaa?
- Konsert (concert) muusik oo aad u baahan tahay inaad faa'iido (profit) 20% ka samaysato.
- Ama wax aad adigu dooratay.

Waxaad internetka u isticmaali kartaa si aad u baarto qiimaha (cost) goobaha (venues), cuntada (catering), iwm. Ama isticmaal kuwa lagu bixiyay darsigan (lesson).

Hawsha B Qorshaynta dhacdadaada (event)

1) Tusaale: Qorshaynta xaflad dhalasho (birthday party) oo leh jagooyin caqabad (obstacle course) ah oo loogu talagalay koox carruur ah.

Baakajka (package) heerka dahabka (gold level) - £28.50 carruur kasta

Shandad xafladeed (party bag) oo ay ku jiraan bilad (medal), xirmo gacanta (wrist band) iyo qalin (pencil) - £6.99 carruur kasta

Pizza - 1 pizza weyn oo £25.99 midkiiba (1 weyn 2 carruur ah). 45% qiimo dhimis (discount) iyo gaarsiin (delivery) bilaash ah.

Qiimaha (cost) laba carruur = 85.2745 (qiime aan la soo koobin (unrounded) heerkana)

Miisaaniyadda (budget) = £800

$800 \div 85.2745 = 9.381...$ sidaas darteed sagaal lammaane oo carruur ah ayaa la casuumi karaa.

18 carruur ah ayaa loo casuumi karaa xafladda. Kharashka guud ee xafladda = £767.47

Meelo badan oo xisaabta (maths) ah ayaa loo isticmaalaa maareynta dhacdooyinka (event management).

Inta lagu guda jiro darsigan (lesson) waxaan si weyn u diiradda saarnay kharashyada (costs) la xiriira qorsheynta dhacdo (event).

Hubinta in badbaadada (safety) iyo raaxada (comfort) la xalliyo waa arrin muhiim ah marka la go'aaminayo, tusaale ahaan, tirada musqulaha (toilets) loo baahan yahay dhacdo (event).

Dhacdooyin (events) badan ayaa yeelan doona miisaaniyad (budget) oo laga yaabo inay xaddido qaybaha qaarkood ee dhacdada (event).