

Nidaamka Gudashadda Xisaabta

- 1. Macne usameeya mas'aladaha isagii oo si joogta ah u xalinaya.**
Ardaygu waxa uu awoodaa in uu "qabatimo" mas'aladaha isaga oo isku dayaya uxalinta dariiqado kala duwan.
- 2. Sababeeya tiradda iyo tayadda.**
Ardaygufahamsanyahay in nambarradda qoraalka ah matalaan walxo iyo tiro dhab ah.
- 3. Isuduwa dood cilmi ku dhisan islamarkaana naqdiya sababaynta kuwa kale .**
Ardaygu waa in uu sharixi karaa aragtidiisa/teeda xisaabeed iyo istiraatiijiyadda iyadii oo uu isagu/iyadu ka warcelin karto aragtidda kuwa kale.
- 4. Qaabka Xiisaabaadka.**
Ardaygu waxa uu adeegsanayaa, walxaha, tiradda, iyo/ama eraydada si uu utilmaamo aragtidiisa/teeda xisaabeed iyo sababaynta.
- 5. Adeegsada aallad iyo istiraatiijiyad ku haboon.**
Ardaygu waxa uu dooranayaa aalladda iyo illaha macluumaad eek u haboon tan ku jeeda xalinta mas'aladaha.
- 6. Muujiya habbanaan.**
Ardaygu waxa uu adeegsanayaa macluumaadka erayo habban oo xisaabeed si uu ugula xidhiidho fahamka xisaabeed.
- 7. U eega islamarkaana ka dhiga adeegsiga qaababka.**
Dareenka ardayga ee khuusuusiyada iyo qaab dhismeedka xisaabta sida; shaxanadda la xulay iyo nambarradda dhinacyadda ama oo la garanayo in $4+6 = 10$ iyo $6+4=10$.
- 8. Eega oo tilmaama qiyaasta soo celcelinta sababaynta**
Aradygu waxa uu saadaalinayaa tiradda xigta ama shaxanka ee joogtadda ama wadaaga ah

Sideeda qaybood ee barashadda xisaabta ayaa tilmaamaya "Garo-Sidee" ama garashadda tan aynu doonayno in aan ku horumarino ardayda. Barashadaasi waxa ay tilmaamaysaa nidaamka iyo xirfadda tan ay ardaydu doonayaan in xisaab ahaan xirfad xoogan kaga yeeshaan..

Dugsiyadda Guud ee Portland



Lagu Rajo Weyn Yahay: Qiyaasta Heerka Xisaabta ee Fasaladda K-2

Waa Maxay Qiyaasta Heerka Xisaabta ee Gobolka oo Dhan?

Mudo dhowr qarni ahba, cilmibaarista ayaa lagu ogaaday tan la xidhiidha dalalka xagga sare ka gaadhay barashadda xisaabta ayaa lagu soo gabagabeeyey in tacliimaadka xisaabta ee Maraykan ay noqoto mid si adag xooga loo saaro islamarkaana isku xidhiidhsan si markaa loo saxar tiro heerka najaxa ee xisaabta. Marka taariikhda dib loogu laabto, heerarka xisaabtu waa uu kala duwana marka loo eego goboladda. Bishuu June Sanadkii 2009kii, Hal-abuurka horumarinta **Qiyaasta Heerka Xisaabta oo Gobolka ee Dhan** ayaa bilaabatay. Oregon, iyo iyo 45ka gobol ee kale ayaa qabatimay, iyagii oo qiimeyn doona sanad dugsiyeedka 2014-15. 2011 Dugsiyadda Guud ee Portland waxa ay bilaabayaana ugudubka meelmarinta heerarkaa sare iyo howlgelintooda ee fasaladda K,1, iyo 2.

CCSS waxay barataaraysaa garasho cad oo joogta ah oo ku jeeda fahamka waxa ay filayaan in ay ardaydu bartaan xisaabta K-12. Herarkaa guud waxa waxa ay caawin doonaan in la habsado in ay ardaydu u helayaan si joogta waxbarasho tayo sare leh, tan oo loo eegayo mid dugsi illaa dugsi, iyo min gobol illaa gobol.. Qiyaasta Heerka Xisaabta ee Gobolka oo Dhan (CCSS) ee xisaabta waxaa qayb ahaan ka mid ah laba nooc oo heerarka qiyaasta ah: midi waxa uu quseeyaa **Barashadda xisaabta**(sida ay ardaydu oga qayb qaadanayaan, usamaynayaan, iyo sidii ay ubalaadhin lahaayeen fahamkooda ku jeeda nuxurka xisaabta) iyo kan kale oo quseeya **waxa ay ka koobantahay xisaabu**(Waxa ay ka koobantahay xirfadda xisaabta iyo nidaamka ardaydu ay filayaan in ay ogaadaan).

Hagahani waxa uu tilmamayaa heerarka xisaabta ee lagu dhigo ama fasaladda dugsiyadda hoose. fasaladda K-2, qiyaasta heerka xisaabtu waxay barayaan asaas adag oo ku jeeda isku dhufashada, qaybta, jajabka, tobanlayaasha, aljabradda, cabiraadda, iyo handasadda. Sideeda qaybood ee barashadda xisaabta ayaa tilmaamaya tubta ay ardaydu ola falgalayaan xisaabta iyadii oo ugu tilmaamaysa si dhamaystiran qoraalkan.

Macluumaad dheeri ah oo la xidhiidha CCSS-ta Oregon waxaa laga heli karaa:
<http://www.ode.state.or.us/search/page/?id=3380>

Kindergarten Math Content Standards	First Grade Math Content Standards	Second Grade Math Content Standards
<p>Counting and Cardinality</p> <ul style="list-style-type: none"> Tirinta 100 ee hal iyo tobonaad Qora oo akhriya tiradda laga bilaabo 0-20 Horay utiriya kana bilaaba tiro walba oo ka yar 100 Utiriya 20 walxood marka la waydiiyo "Imisa?" Isbarbardhiga laba walxood sida ay ukala weyn yihiin, ukala yaryihiin, ama ay isula egyihiin. Isbarbar dhiga tiradda udhaxaysa 1-10 (sida. Ka badan iyo ka yar) <p>Shaqadda iyo fikirka Aljebra</p> <ul style="list-style-type: none"> U garanaya isku dar wax la isu geeyey U garanaya kala jarka wax kala qaadayo Xaliya mas'aladaha erayadda ee isku darka iyo kala jarka isaga oo adeegsanay walxaha ama sawir Si wanaagsan isugu dari kara una kala jari kara isaga oo adeegsanaya 5 <p>Tiradda iyo shaqooyin ku salaysan 10</p> <ul style="list-style-type: none"> Ka shaqeeya nambarradda 11-19 si uu ubilaabo garashadda qiimaha nambarka (sida tobnaad iyo halaad) <p>Cabirka iyo Macluumaadka</p> <ul style="list-style-type: none"> Tilmaama oo isbarbar dhiga tilmaamaha gaadhka ah (sida Ugu culus, ugu fudud, badan, ka dhiman, ka wayn, ka yar) Xula oo ka garta walba isaga oo tirinaya nambarradda walxaga ee nooc walba <p>Handasadda</p> <ul style="list-style-type: none"> Qeexa oo tilmaama shaxanadda laba ama sadex dhinac Taxliiliya, isbarbardhiga, isaga ooh al-abuuraya shaxanno sadex ama laba dhinac Tilmaama walxaha bii'adda ka dhex muuqda isaga oo adeegsanaya magacyadda iyo goobaha ay ka muuqdaan (sida ka sareeya, ka hoseeya, dhinac yaala, ka dambeeya, ku xiga) Qeexa shaxanad guud ee bii'adda uu ku noolyahay (sida Afargees, mustadiil, iyo daaqadaha) Adeegsada shaxanadda aasaasiga ah si uu udhiso shaxanadda kale (sida laba sadexges laga dhigay mustadiil) 	<p>Shaqadda iyo fikirka Aljebra</p> <ul style="list-style-type: none"> Soo bandhiga oo xaliya mas'adalaha erayadda qayb ahaan ay ka mid yihiin isku dar iyo kala jarid illaa 20 Garanaya islamarkaana dabakha isku darka iyo kala jarka. Garanaha xidhiidhka ka dhexeeya isku darka iyo kala jarka. Huba oo ku wanaagsan isku darka iyo kala jarka illaa 10 Adeegsada istiraatiijiyad ku jeeda isku darka iyo kala jarka illaa 20 Ka shaqeeya mas'aladaha isku darka iyo kala jarka. Doondoona isaga oo adeegsanaya dhismaha xisaabta (sida. Garashadda in hadii. $4+1=5$, $2+4=7-1$) <p>Tiradda iyo shaqooyin ku salaysan 10</p> <ul style="list-style-type: none"> Tiriya illaa iyo 120 isaga oo ka bilaabaya tiro un ka yar 120 Akhriya oo qora tiradda isaga oo awooda in uu isku eego tiradda qoraalka iyo koox walxa ah. isbarbardhiga laba tiro iyadii oo ku salaysan qiimaha isaga oo adeegsanaya calaamdaha $>$, $=$, $<$ Garanaya islamarkaana adeegsada qiimaha nambarka (tobonaad, halaad) si uu u xaliyo mas'aladaha Dusha ka xisaabiya 10 iyo ka badan ee laba nambor oo kasta. <p>Cabirka iyo Macluumaadka</p> <ul style="list-style-type: none"> U kala hormariya sadex walxood sida ay ukala dheer yihiin Cabira walax isaga oo adeegsanaya qiyaasaha aan caalamiga ahayn (sida Dhululubo, qalinrasaad, faraha) U qora waqtiga saacado iyo nusaac. Qaabeeya, soo bandhiga, iyo inuu taxliyo macluumaadka <p>Handasadda</p> <ul style="list-style-type: none"> Garanaya farqiga udhexeeya walxaha astaanta khusuusiga ah leh (sida 3 dhinac ee sadex geesood) iyo walxaha aan sida goonida ah loo tilmaamin (sida midabka) shaxanadda. Hal abuur shaxan sadex xaggale ah isaga oo eegaya shaxanadda kale (sida 2 dhululubo oo 	<p>Shaqadda iyo fikirka Aljebra</p> <ul style="list-style-type: none"> Soo bandhiga oo xaliya mas'aladaha erayadda ee qayb ahaan ka mid ah iskudarka illaa nambarka 100 In uu si wanaagsan u garanayo kala jarka iyo isku darka ilaa 20 Ushaqeeta kooxo is la eg ee walxaha si uu ugaadho asaaska iku dhufashadda (sida, sida ay isugu xigaan, iyo celicelinta isku darka iwm...) <p>Tiradda iyo shaqooyin ku salaysan 10</p> <ul style="list-style-type: none"> Garanaya qiimaha nambarradda (halal, tobnaad, boqolaad, kumanaan) Utiraya qaab 5 ka bood ah 5aad, 100aad, iyo boqolaad tan iyo 1000 Isbarbar dhiga tiro sadex ka kooban iyadii oo ku salaysan adeegsiga qiimaha shayga ee astaha $>$, $=$, $<$ In uu ku wanaagsanyahay isaga oo adeegsanaya istiraatiijiyad isku darka iyo kala jarka laba nambor illaa 100 Isku dara oo kala jara illaa 1000 isaga oo adeegsanaya qaababka, istiraatiijiyada iyo sawiradda. <p>Cabirka iyo Macluumaadka</p> <ul style="list-style-type: none"> Cabira isaga oo qiimeynaya dhererka walaxda isaga oo adeegsanaya qiyaasaha caalamiga ah. Ku muujiya isku dar iyo kala jarka khadka nambarradda Sheega oo qora waqtiga isaga oo adeegsanaya saacadda wareegta shanta daqiiqadood ee ugu dhow ee gelinka hore iyo kan dambe Solves word problems involving dollar bills, quarters, dimes, nickels, and pennies using \$ and ¢ correctly Xaliya mas'aladaha erayadda ee lacagta, rubacyadda, kumiyadda, taanooyinka iyo kumiyadda isaga oo u adeegsanaya \$ iyo ¢ sida ugu sax san. Ku muujiya oo fasira macluumaadka khadka shaxanka, iyo noocyadda garaafyadda. <p>Handasadda</p> <ul style="list-style-type: none"> Garta oo sawira shaxanadda isaga oo u eegaya qaabka khaaska ah ee uu leeyahay (sida tiradda xaglaha, iyo tiradda wejyadda)

	<p>uu ka dhigo sadex xagal qotoma)</p> <ul style="list-style-type: none">• Uqaybiya goobadda iyo mustadiilka laba iyo afar qaybood oo isla eg iyo in uu tilmaamo isaga oo adegsanaya erayadda (sida, kala badh, afar dhig, rubuc)	<ul style="list-style-type: none">• Garta sadex xagaladda, afar xagalka, shangeeslaha, lixgeesoodle, iyo dhululubadda• Uqaybiya mustadiilka afar geesyo isla eg islaamarkaana ogaadda tiradda nambaradda.• U qaybiya goobadda iyo mustadiilka qaybo isla eg (2,3 ama 4), isaga oo tilmaamaya dhamaantood(sida Laba qaybood, Sadex dhigood, afar dhigood)
--	---	--