



# 7<sup>th</sup> Grade

# Niamtxiv Daim Ntawv Qhia Kom To Taub cov Qauv Kawm Math Common Core

	Cov Kev Sib Piv thiab Cov Kev sib Txig Sib Luag Sib Txheeb	Cov naj npawb System	Cov Zaj Lus thiab and Cov Kev Sib Txig Sib Luag	Geometry	Cov TSwv Yim Uas Tshawb Fawb thiab Tej Zaum Yuav Muaj Tseeb
<b>Cov Tub/Ntxhais kawm ntawv yuav muaj peev xwm ua tau:</b>	<ul style="list-style-type: none"> <li>Qhia cov unit rates xam nrog cov muab sib piv ntawm cov ceg seb ntev licas, qhov dav thiab cov khoom muaj nqis.</li> <li>Nco tau thiab cov kev sib piv thiab kev sib txig sib luag cov kev sib txheeb uas nyob nruab nrab ntawm qhov uas muaj nqis hauv ntiaj teb tej teebmeem.</li> <li>Daws cov npab leeb ob peb theem nrog kev sib piv, kev sib txig sib luag thiab cov feem pua ntawm qhov dav ob peb yam.</li> </ul>	<ul style="list-style-type: none"> <li>Ntxiv cov kev txawj ntse ua ntej ntawm qhov muabntxiv, muab sib rho, sib khoo, thiab sib faib los luj kom sib luag (positive thiab negative naj npawb uas sau ua leeb sib tshooj).</li> <li>Hloov leeb sib tshooj los rau decimals.</li> <li>Nkag siab txog tias muab ntau hom naj npawb sib dhos thiab tsis sib dhos, tsam tsam li lawv yog leeb sib tshooj, thiab muab lawv koj los sib piv seb loj licas.</li> </ul>	<ul style="list-style-type: none"> <li>Ncua kom ntev kev nkag siab ntawm kev ua haujlwm ntawm cov naj npawb, xws li distributive property, kom tsim tau qhov uas pom sawv cev kev sib txheeb los daws cov teebmeem.</li> <li>Siv cov niam ntawv sib txawv hauv algebraic expressions, cov sib luag thiab tsis sib luag los ua qauv rau ntiaj teb teeb meem qhov tseeb.</li> <li>Daws ntiaj teb teebmeem qhov tseeb qhov nyuaj uas txuam nrog cov naj npawb sib dhos ob peb txog hauv kev: siv kev kwv yeess los mus ntsuam saib qhov tau los tias yog li tiag.</li> </ul>	<ul style="list-style-type: none"> <li>Siv cov khoom kos duab kom yog los kos geometric shapes nrog rau qhov uas twb muaj muab lawm (xws li tus leeb ntawm cov sab, ib lub maum kaum loj dua ib lub, etc.); piav qhia seem sab tid ntawm 3-dimensional cov duab.</li> <li>Sau thiab daws cov leeb sib luag uas txuam nrog cov maum kaum sib ze rau ob peb daim duab.</li> <li>Siv scale los kos dua kom sib txawv txhob loj sib luag.</li> <li>Daws ntiaj teb teebmeem qhov tseeb uas txuam nrog area, surface area thiab volume ntawm 2- and 3-dimensional figures.</li> <li>Siv formulas rau area thiab circumference ntawm ib lub voj voog.</li> </ul>	<ul style="list-style-type: none"> <li>Nkag siab txog cov cai ntawm cov piv txwv seb ntau npaum cas, thiab yog siv los zuag txhua yam thiab ithiab kwv yeess txog seb muaj ntau licas.</li> <li>Muab o blub hauv paus los sib piv se blub twg muaj ntau dua los ntawm kev ncuu kom dav ntawm kev ntsuas qhov hauv paus, -mean, median, thiab range-rau ntau lub tswv yim thiab cov ntau ntawv uas tshaj.</li> <li>Lub tswv yim ntawm qhov nruab nrab yog ncuu los ntawm lub tswv yim ntawm cov pob zebu a xim fab xim meem ua s muab pua rooj, thiab yog qhov muab ncuu los siv rau qhov uas tau los kom ntau yog ntxiv ntawm cov ntau ntawv. Kev raug cai siv kev ntsuas rau cov teebmeem.</li> <li>Tej co koom txoos uas kuj muaj tshwm sim tau yog qhia raws li cov naj npawb nyob nruab nrab ntawm 0 thiab 1 los qhia tias feem ntau yuav muaj tshwm sim tau (ze 0, feem ntau tsis zoo ib yam, ze 1, zoo ib yam heev)</li> </ul>
<b>Cov Tsev kawm natwv yuav txhawb pab los ntawm muab cov hwv tsam zoo rau:</b>	<ul style="list-style-type: none"> <li>Suav cov unit rates los daws ntiaj teb teeb meem qhov tseeb.</li> <li>Ntsuam xyuas cov kev sib txig sib luag sib txheeb hauv ntiaj teb teebmeem qhov tseeb thiab sawv cev tau yam li tape diagrams, drawings, cov kab naj npawb, equations thiab coordinate graphs.</li> <li>Daws cov qhov leeb ob peb yam uas siv cov tswv yim xws li lub scale factor xws li ratio hauv geometry, qhov kev sib txig sib luag sib txheeb zoo li qhov muab ntxiv rau qee yam qhov ntau uas muab piv txwv rau hauv cov ntau ntawv zwm tseg thiab siv cov feem pua hauv ntiaj teb teebmeem kev siv nyiaj xtiag.</li> </ul>	<ul style="list-style-type: none"> <li>Nkag siab tias ob qho tssi zoo ib yam ua tau xuam (<math>-7 + 7 = 0</math>).</li> <li>Qhia qhov ntxiv thiab rho ntawm cov sib dhos uas siv cov kab naj npawb.</li> <li>Nkag siab txog tias ntxiv thiab rho yeej zoo tau ib yam li cov naj npawb sib dhos (<math>7 - 3 = 7 + (-3)</math>).</li> <li>Siv properties ntawm cov sib dhos los pab luj kom ncaj thaum tau los ntawm cov leeb sib khoo thiab cov qhov leeb sib faib uas txuam nrog cov naj npawb sib dhos.</li> <li>Daws ntiaj teb teebmeem qhov tseeb uas siv cov naj npawb sib dhos.</li> <li>Nrhiav cov sib tshooj kom ze ntawm cov leeb tsis sib dhos thiab muab lawv sib piv rau ntawm txoj kab naj npawb.</li> </ul>	<ul style="list-style-type: none"> <li>Sau cov npab leeb sib luag thiab tsis sib luag nrog cov niam ntawv ob peb tug los uake ua qauv thiab daws cov teebmeem.</li> <li>Daws ntiaj teb teebmeem cov uas ua ob peb theem, hloov nruab nrab ntawm cov ntawv positive thiab negative rational cov naj npawb (e.g. leeb sib tshooj, rau ib xees twg, decimals) yog tias tu ncuu.</li> <li>Txuam lus seb tau licas nrog qhov uas nce kom ncaj nruab nrab thiab ob peb txog hauv kev.</li> <li>Nthuav txoj kev xav siv ob peb txoj ncauj ke los pab xws li: tape diagrams, graphs, kos cov duab, thiab cov kab naj npawb.</li> </ul>	<ul style="list-style-type: none"> <li>Kos geometric shapes freehand, nrog tu s maib thiab rab protractor, thiab siv technology.</li> <li>Siv thiab nkag siab txog cov ntsiab lus ntawm cov maum kaum xws li supplementary, rov ntsug, thiab nyob ze ze ibn cig ntawm cov teebmeem uas yuav daws.</li> <li>Nkag siab txog lub teev luj uas siv cov qauv los suav cov khoom seb loj los me.</li> <li>Nkag siab txog cov formulas rau cov area thiab volume ntawm tus qauv geometric figures, xws li cov duab muaj peb lub kaum, quadrilaterals, polygons, cov voj voog, prisms, cones thiab spheres raws li muab los ntawm lawv.</li> </ul>	<ul style="list-style-type: none"> <li>Tsim cov qauv uas yuav muaj tseeb tau thiab muab lawv sib piv es saib rau ntawm cov koom txoos.</li> <li>Muab cov vib this los tso uake es siv xws li cov kev ntsuam xyuas, kev saib, cov ntau ntawv, cov kev xam phaj, txog tej ntsiab lus tiag tiag los mus ntsuas seb ntau npaum cas ntawm cov characteristic (e.g. tus naj npawb ntawm cov tub/ntxhais kawm ntawv qib 7 xum xaiv tej yam zaub mov uas lawv nyiam.</li> <li>Nrhiav cov ncauj ke hauv ntau ntawv los txhawb pab lossis los kwv yeess tias thaum kawg muaj ntau npaum cas.</li> <li>Khaws cov ntau ntawv los tso uake tsis tu ncuu thiab kwv yeess raws li lub hauv paus rau yav pem suab seb yuav zoo licas.</li> <li>Piav qhia thiab ua kom ncaj nruab nrab tias vim licas lawv thiab li tau li qhov lawv tau los ntawm cov ntau ntawv.</li> <li>Muab tim khawv kom zoo tias licas thiab li yuav muaj tseeb tau los txhawb pab raws li hauv ntawv, cov rooj, tree diagrams thiab kom kom sib raws.</li> </ul>
<b>Cov Niamtxiv pab tau los ntawm:</b>	<ul style="list-style-type: none"> <li>Nrhiav kom tau tus nqi rau ib kav twg (unit rate) ntawm dej hauv 6-pack or 24-pack.</li> <li>Nug kom koj tus menyuam pab suav cov nqe se, txo nqe, tso luv nqe, lossis nqe thaum mus kav kiab kav khw.</li> </ul>	<ul style="list-style-type: none"> <li>Nug kom koj tus menyuam los suav cov feem pua nce thiab nqis ntawm cov huav cua hauv ib cheeb tsam no.</li> </ul>	<ul style="list-style-type: none"> <li>Nug kom koj tus menyuam suav cov nyiaj dej siab uas tsim nyog tso ntawm rooj noj mov tom khw, lossis tus feem pua ntawm koj qhov nyiaj se ua hli uas lawv rho tawm txhua hli ntawd.</li> </ul>	<ul style="list-style-type: none"> <li>Nug kom koj tus menyuam siv daim duab qhia ntiaj teb los laj seb yog yuav mus ncig teb chaws no yuav deb npaum cas.</li> <li>Nug kom lawv kos ib daim duab uas yog koj lub tsev ua qauv.</li> </ul>	<ul style="list-style-type: none"> <li>Nug kom koj tus menyuam nco ntsoov suav seb nws dov lub mam khauv lauv pes tsawg zaus nyob rau luv sijhawm nws uasi nrog daim thawv ntawv thiab suav uake yog tias tau los los pab rau nws kev muaj yeej.</li> </ul>

## Cov Tub/Ntxhais Kawm Ntawv Qib 7:

- Coj lawv kev nkag siab musk om tog txog ntawm kev sib txig sib luag los mus daws cov qhob leb uas nyuaj.
- Ncuu lawv kev nkag siab ntawm cov naj npawb rational kom muaj kev hloov pauv nrog (ntxiv, rho, sib khoo thiab sib faib).
- Cov naj npawb tsis muaj paus ntsis tau coj los qhia lawm.
- Algebraic foundations yog xyaum thiab ncuu.
- Tub/ntxhais skawm ntawv rau siab ntso txuas ntxiv lawv kev nkag siab txog ntawm tej uas yuav muaj tseeb tau thiab cov tswv yim uas rsaw li tau qhia tias muaj ntau lidas lawm raws li cov piv txwv, thiab tshawb fawb los es yuav tsim kom tau, siv thiab soj ntsuam cov qauv uas yuav muaj tseeb tau.

### Cov Kev Pab:

*Sacramento City Unified School District*

<http://www.scusd.edu/commoncoredept>

- ✓ Cov links mus saib cov ntaub ntawv hais txog tus Qauv Qhia Ntawv California (CCS) Common Core Standards, nrog rau cov videos rau cov Quav Xyaum Kawm Lej

*Parent-Teacher Association*

<http://www.pta.org/446.htm>

- ✓ Cov ntawv qhia txog cov ntsiab lus t seem ceeb uas cov menyuam yuav tsum tau kawm txog lej nyob rau txhua qib kawm..

*California Department of Education*

<http://www.cde.ca.gov/re/cc/index.asp>

- ✓ Cov ntawv tshaj tawm hais txog tej yam tseem ceeb ntawv cov Qauv Kawm Lej CCS
- ✓ Cov ntaub ntawv hais txog kev hloov mus kawm rau CCS
- ✓ Lub link mus rau "Council of Great City Schools Parent Roadmaps"

- ✓ Cov links mus rau qhov ntawm xeeb "Smarter Balanced Assessments"

## Cov niamtxiv yuav txhawb pab lidas:

- Mus kav kiab kav khw! Suav cov nqe tshiab uas tau txo tus nqe thiab ntxiv nqe se nrog koj tus menyuam.
- Pab koj tus menyuam npaj lub hom phiaj tseg nyiaj rau cov khoom uas nws nyiam.Npaj seb yuav tseg nyiaj ntau npaum cas ntawm lub vas as thiv ntawm nws cov nyiaj. Kom koj tus menyuam xav seb yuav siv sijhawm ntev npaum cas thiaj li yuav tseg tau nyiaj npaum li lub hom phiaj uas hais tseg.
- Koom tes nrog koj tus menyuam los teeb dai nws chav pw hauv npau suav raws li teeb ua qauv lossis kos daim duab.
- Nrog koj tus menyuam, nrhiav qhov txawv, nyob qhov nruab nrab thiab seb mus rub ibtxoj nkauj hauv online los rau nqe lidas.
- Qhia tias seb koj siv leb li cas txhua hnuv hauv koj lub neej.
- Txhawb koj tus menyuam kom txhob tag kev cia siab yog thaum tej qob leb nyuaj.
- Thaum koj tus menyuam ua tsis tau nws cov homework, yuav tsum nug cov nqe lus nug no:

1) Koj qhia puas tau tam sim no tias koj paub txog dab tsi?

2) Koj yuav ua lidas thiaj li paub txog?

3) Koj puas kos tau duab los pib ua ntej?

Koj qhia rau kuv seb koj ua lidas es thiaj li tsis ua hauj l

## Kev Hloov Pauv Tau Lidas:

Cov kev kawm rau cov tub kawm ntawv tau hloov ntau heev thaum tau txais yuav tus qauv qhia ntawv Common Core State Standards nyob rau kev kawm Lej. Thaum tseem tshawb nrhiav lo lus teb kom yog, txoj kev kawm tau ntawv tseem yog yam uas tseem ceeb tshaj, cov tub kawm ntawv tam sim no yuav tsum siv lawv txoj kev xav txog lej, txuas lus nrog lawm txoj kev xav, thiab tawm tswv yim vim lidas kom nkag siab tias lej ua hauj lwm mus lidas.

### California Standards Assessment tus qauv ua ntejt as los:

Roberto them \$39.75 rau 15 poom mov rau miv. Ib poom raug pes tsawg?

- A) \$5.25
- B) \$2.65
- C) \$1.45
- D) \$2.15

*Teb: B*

### Common Core Standards Assessment:

Bob's Best Buys tab tom muag 15 poom PuppyGourmet mov aub rau \$18. Maria's Pet Emporium tab tom muaj muag txo nqe cov mov aub tib lub npe ib yam, 24 cans rau \$20. Lub khw twg tus nqe zoo dua? Koj paub tau lidas?

*Teb raws li tej zaum yuav muaj tseeb:*

Tus nqe rau 120 poom ntawm Bob's Best Buy yog \$144.  
Tus nqe rau 120 poom ntawm Maria's Pet emporium yog \$100.  
Maria's Pet emporium tus nqe zoo dua lawm.

