

Qib 6

MINNESOTA COV LUS QHIA TXOG COV QAUV UAS MUAJ RAU TSEV NEEG

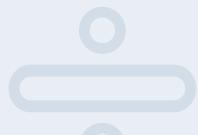
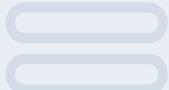
Dab Tsi Yog Cov Uas Koj Tus Me Nyuam

Kawm Qib 6 Yuav Tsum Tau Paub

Cov Dej Num & Cov Ua Piv Txvv Ntawm Kev

Kawm Lus As Kiv (ELA) & Kev Kawm Ua Lej

Tswv Yim Mus Nrog Cov Xib Hwb Qhia Ntawv Sib Tham



Hais txog cov lus qhia ntawm no

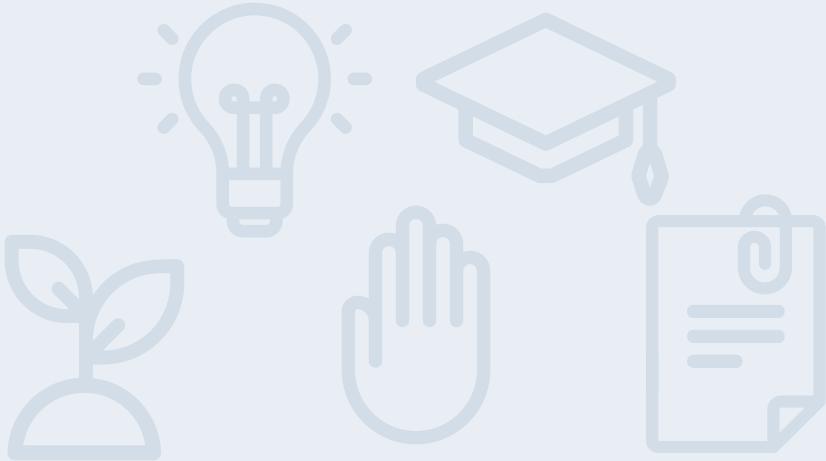


Cov yim neeg yeej xav paub hais tias saib lawv tus me nyuam kawm dab tsi hauv tsev kawm ntawv. Lawv xav tawm suab los pab lawv tus me nyuam & los pab kom lawv tus me nyuam kawm tau ntaub ntawv.

Minnesota Department of Education (Minnesota Lub Chaw Tuav Dej Num Saib Xyuas Kev Qhia Ntawv) yog lub chaw txiat txim hais tias saib txhua tus me nyuam yuav kawm dab tsi hauv tsev kawm ntawv nyob rau txhua Yam kev kawm. Cov lus qhia ntawm no yeej pab ua kom koj nkag siab txog cov qauv nyob hauv Kev Kawm Lus As Kiv (English Language Arts (ELA) & Kev Kawm Ua Lej. Qhov ntawm no yuav pab koj mus nrog koj tus me nyuam cov xib hwb qhia ntawv koom tes los mus txhawb txoj kev kawm thaum kawm qib 6.

Ua ntej koj yuav muab cov lus qhia ntawm no coj los xyuas, peb thov kom koj mus saib hauv [www.bealearninghero.org/
es/readiness-check-mn](http://www.bealearninghero.org/es/readiness-check-mn) kom koj paub meej hais tias saib koj tus me nyuam kawm qib ntawv dab tsi tam sim no.





Cov lus qhia ntawm no yeej muaj



PHAB NTAWV 4 RAU ELA & PHAB NTAWV 15 RAU KEV KAWM UA LEJ

Dab tsi yog cov uas koj tus me nyuam yuav tsum tau paub & yuav tsum ua tau— Cov ntaub ntawv tseem ceeb tshaj (kev paub & txuj ci) uas cov tub ntxhais kawm ntawv yuav tsum tau paub thaum laww kawm tag qib 6.



PHAB NTAWV 7 RAU ELA & PHAB NTAWV 17 RAU KEV KAWM UA LEJ

Qhov ntawv ua piv txww uas koj tus me nyuam yuav tsum sau tau thaum kawm tag qib 6



PHAB NTAWV 13 RAU ELA & PHAB NTAWV 19 RAU KEV KAWM UA LEJ

Cov dej num niaj hnub los mus txhawb txoj kev kawm— Cov hauv kev uas koj yuav pab tau koj tus me nyuam nyob hauv txoj kev kawm cov ntaub ntawv tseem ceeb & cov txuj ci hauv Kev Kawm Lus As Kiv (English Language Arts (ELA)) & Kev Kawm Ua Lej



PHAB NTAWV 14 RAU ELA & PHAB NTAWV 20 RAU KEV KAWM UA LEJ

Tswv yim mus nrog cov xib hwb qhia ntawv sib tham— Koj & koj tus me nyuam tus xib hwb yuav sib koom tes tau li cas los mus pab kom koj tus me nyuam paub ntaub ntawv ntxiv



PHAB NTAWV 21

Cov lo lus hais txog kev qhia ntawv nrog cov lus txhais— Cov lus txhais ntawm cov lo lus hais txog kev qhia ntawv uas tseem ceeb rau qib 6



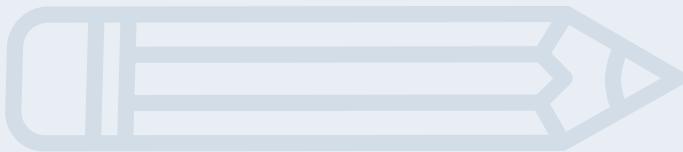
Kev Kawm Lus As Kiv (ELA)

DAB TSI YOG COV UAS KOJ TUS ME NYUAM
YUAV TSUM TAU PAUB & YUAV TSUM UA TAU

Nyob hauv Qib 6, cov tub ntxhais kawm ntawv yeej siv sij hawm ntau los mus nug hais txog cov ntawv & hais txog kev nrhiav cov lus teb nyob hauv cov ntawv. Cov tub ntxhais kawm ntawv yeej nug lawv tus kheej hais tias saib tus kws sau ntawv xav li cas, yeej nrhiav cov tswv yim tseem ceeb nyob hauv ib cov ntawv, & yeej nrhiav saib cov lus uas tus kws sau ntawv sau puas muaj tseeb. Cov ntawv uas cov tub ntxhais kawm ntawv yuav tsum yog cov uas muaj ib nrab yog cov lus hais txog tej yam tsis muaj tseeb & muaj ib nrab yog cov lus hais txog tej yam muaj tseeb. Cov phau ntawv yuav tsum muaj cov ntawv uas nyuaj thiab yooj yim & yuav tsum qhia cov tub ntxhais kawm ntawv hais txog cov tib neeg, cov chaw, & tswv yim tshiab, suav nrog rau cov tswv yim ntawm cov tib neeg Dakota & Anishinaabe yav tag los & tam sim no.

Cov me nyuam kawm qib 6 los kuj yuav tsum nquag xyaum sau ntawv. Muaj tej cov ntawv uas muab rau lawv sau yeej yog cov uas lawv yuav tau siv ntau ntawv hnuh coj los sau. Lawv yeej xyaum mus tshawb fawb, xyaum sau ntawv, & xyaum muab cov ntawv uas lawv sau kho. Lawv yeej muab cov ntawv uas lawv sau kho dua tom qab lawv tus kheej muab nyeem tag, tom qab cov xib hwb qhia ntawv, & cov me nyuam nrog lawv kawm ntawv ua ke qhia rau lawv hais tias lawv xav li cas. Lawv yeej xyaum sau cov ntawv uas sau rau ntawv hom neeg nyeem.

Yog xav pom tag nrho lub xeev cov qauv rau ELA rau cov tub ntxhais kawm qib 6, mus xyuas ntawm no: education.mn.gov/mde/dse/stds/ela



Cov me nyuam kawm qib 6 yuav tsum tau paub ua cov ntaub ntawv hauv qab thaum lub xyoo kawm ntawv xaus.

TXUJ CI PAUB SAU THIAB PAUB NYEEM NTAWV:

- ☑ yeem tau cov ntawv uas muaj rau cov me nyuam kawm qib 6 nyeem, uas yog theem Lexile 925-1185.
- ☑ Nyeeem tau cov ntawv uas muaj cov me nyuam kawm qib 6 nyeem kom tsis txhob muaj qhov khuam, uas yog nyeem tau 110-160 lo lus rau ib feeb
- ☑ Nyeeem tau ntawv ua lub suab uas qhia hais tias lawv yeej nkag siab cov ntawv thaum lawv nyeem
- ☑ Sau ntawv & muab cov ntawv uas lawv sau tag kho. Siv cov lo lus uas yeej tso cov tsiaj ntawv yog tag, siv cov lus tswj kev sau ntawv tau yog tag, siv cov tsiaj ntawv loj, & cov cim sau ntawv tau yog tag; suav nrog rau cov ntawm no:correctos, incluidos los siguientes:

Cim dash	Cim hyphen	Cim ellipse	Cim semicolon	Cim colon	Cim commas	Cim apostrophes	Cim Quotation Marks	Cim rau thaum ib nqis lus xaus
-	-	...	;	:	,	'	"	.!?

- ☑ Siv khoom technology los mus sau ntawv & los mus kawm ntawv nrog lwm cov me nyuam & los mus tshawb fawb txog ib yam dab tsi uas siv cov chaw los sis cov ntawv uas ntseeg hais tias yuav tsis muaj cov lus cuav
- ☑ Yuav tsum tsis txhob siv cov ntawv uas tsis yog lawv cov, uas yog muab hu ua plagiarism (kev muab cov ntawv uas yog lwm tus neeg sau coj los ua tus kheej cov ntawv)
- ☑ Nkag siab lawv cov hnneev taw nyob hauv khoom hluav taws xob (digital footprint), uas yog cov ntaub ntawv peb tso tseg rau hauv internet thaum peb nkag mus siv
- ☑ Ntaus tau 33 lo lus nyob rau ib feeb. Sau tau peb phab ntawv nyob rau ib teev

KEV KAWM TXOG LUB NTIAJ TEB LOS NTAWM KEV NYEEM NTAWV

Ⓐ Nug & teb cov lus nug hais txog cov ntawv uas lawv nyeem tag. Rov qab muab cov ntawv nyeem dua los mus nrhiav tej cov lus coj los ua kom lawv nkag siab. Ua tau cov nram qab no:

- Nrhiav tau cov ntsiab lus tseem ceeb, cov lus tseem ceeb, & cov tswv yim tseem ceeb
- Paub siv quote (kev muab cov ntawv neeg sau coj los siv zoo ib yam li ntawd) & paub paraphrase (kev muab cov lus neeg sau coj los sau kom hais raws li qhov nkag siab)
- Kawm saib tus kws sau ntawv muab ib tus neeg tseem ceeb, ib qhov dab tsi tseem ceeb los sis ib lub tswv yim tseem ceeb coj los qhia thawj zaug zoo li cas & saib cov ntawm no ho pauv zoo li cas
- Piav qhia saib cov lus nyob hauv tej ntus ntawm cov ntawv muaj dab tsi rau lub ntsiab lus ntawm zaj dab neeg
- Piav qhia saib zaj dab neeg yog mus zoo li cas & saib saib cov neeg nyob hauv zaj dab neeg ho ua li cas
- Kawm saib qhov uas tus kws sau ntawv & lawv txoj kev muaj dab tsi rau cov ntawv
- Nug tus kheej saib tus kws sau ntawv los sis ib tug neeg hais lus xav li cas

Ⓐ Siv cov lus qhia nyob hauv cov ntawv, cov phau ntawv txhais lus, los sis lub hauv paus ntawm lo lus coj los nrhiav cov lus txhais ntawm cov lo lus tshiab uas lawv tsis paub hais tias yog txhais li cas

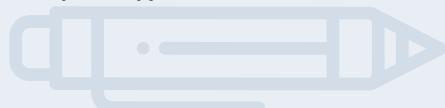
Ⓐ Sau ntawv txog cov ntawv uas lawv tab tom nyeem. Sau kom muaj kev sib dhos zoo li ntawm no: ntug pib yog qhia lub ntsiab lus, muab cov piv txwv tso raws seem, & ib cov lus xaus los sis ib cov lus sau luv luv txog qhov lawv tau sau ntawv txog

Ⓐ Siv cov ntawv uas lawv sau coj los piav qhia txog ib yam dab tsi. Siv ntawv txoj kev coj los piav qhia txog lawv tus kheej, suav nrog rau kev muab sib piv/qhia qhov txawv (compare/contrast), qhov ua rau muaj tshwm sim/ qhov muaj tom qab tshwm sim tag (cause/effect), teeb meem/cov kev daws qhov teeb meem (problem/solutions), & lus qhia hais tias xav li cas

Ⓐ Sau ntawv siv ib cov lo lus uas cuam tshuam rau ib yam dab tsi

Ⓐ Siv cov ntawv uas koj sau los mus ua kom ib tus neeg ntseeg koj

Ⓐ Sau ntawv los mus hais tias saib lawv tus kheej xav li cas los sis saib lwm tus neeg xav li cas. Qhia hais tias saib ib tug neeg nyob hauv zaj dab neeg ua dab tsi es nws thiaj li muaj cov kev xav uas nyuaj los sis vim li cas es nws thiaj li ua tej yam dab tsi





COV PIV TXWV RAU ELA RAU QIB 6

Hauv qab no yog ib qhov piv txwv ntawm cov ntawv rau qib 6.¹ Cov ntawv ntawm no yog nyob rau theem Lexile 950. Cov me nyuam kawm qib 6 yuav tsum nyeem tau cov ntawv ntawm no kom tsis txhob muaj qhov khuam & kom muaj lub suab zoo li txoj kev xav hauv cov lo lus. Lawv yeej qhia tau txog cov ntawv & teb tau cov lus nug nyob hauv qab no.

RED CLOUD'S SPEECH AFTER WOUNDED KNEE

Red Cloud (or Maȟpiya Lúta) (1822-1909) was an important leader of the Oglala Lakota who led a successful campaign against the U.S. Army between 1866 and 1868. The conflict began over white encroachment into territory inhabited by Native American Plains tribes in the Wyoming and Montana territories, and it ended with the Fort Laramie Treaty of 1868, which established the Great Sioux Reservation. Red Cloud and his people settled on the Pine Ridge Indian Reservation in South Dakota, but he would go on to regret signing the treaty, stating: “They made us many promises, more than I can remember. But they kept but one—They promised to take our land...and they took it.” On December 29, 1890, near Wounded Knee Creek on the Lakota Pine Ridge Indian Reservation, U.S. Cavalry troops fired on a group of Lakota people, many of them women and children, and killed more than 150 and wounded 51, some of whom died later. Red Cloud delivers the following speech after the Wounded Knee Massacre in order to shed light on the plight of the Native American peoples living on reservations. Throughout Red Cloud’s life, he was a proponent of peace and in this speech he argues that those who were killed at Wounded Knee and involved in the Ghost Dance movement were not proponents of violence against whites.

I will tell you the reason for the trouble. When we first made treaties with the Government, our old life and our old customs were about to end; the game on which we lived was disappearing; the whites were closing around us, and nothing remained for us but to adopt their way—the Government promised all the means necessary to make our living out of the land, and to instruct us how to do it, and with abundant food to support us until we could take care of ourselves. We looked forward with hope to the time we could be as independent as whites, and have a voice in the Government.

¹Red Cloud's Speech after Wounded Knee by Chief Red Cloud is in the public domain. Introduction obtained from CommonLit, Inc, licensed under CC BY-NC-SA 4.

The army officers could have helped better than anyone else but we were not left to them. An Indian Department was made with a large number of agents and other officials drawing large salaries — then came the beginning of trouble; these men took care of themselves but not of us. It was very hard to deal with the government through them — they could make more for themselves by keeping us back than by helping us forward. We did not get the means for working for our lands; the few things they gave us did little good. Our rations began to be reduced; they said we were lazy. That is false. How does any man of sense suppose that so great a number of people could get work at once unless they were once supplied with the means to work and instructors enough to teach them? Our ponies were taken away from us under the promise that they would be replaced by oxen and large horses; it was long before we saw any, and then we got very few. We tried with the men we had, but on one pretext or another, we were shifted from one place to another, or were told that such a transfer was coming. Great efforts were made to break up our customs, but nothing was done to introduce us to the customs of the whites. Everything was done to break up the power of the real chiefs. Those old men really wished their people to improve, but little men, so-called chiefs, were made to act as disturbers and agitators. Spotted Tail wanted the ways of the whites, but an assassin was found to remove him. This was charged to the Indians because an Indian did it, but who set on the Indian? I was abused and slandered, to weaken my influence for good. This was done by men paid by the government to teach us the ways of the whites. I have visited many other tribes and found that the same things were done among them; all was done to discourage us and nothing to encourage us. I saw men paid by the government to help us, all very busy making money for themselves, but doing nothing for us.... The men who counted [the U.S. census] told all around that [we] were feasting and wasting food. Where did he see it? How could we waste what we did not have? We felt we were mocked in our misery; we had no newspaper and no one to speak for us. Our rations were again reduced.

You who eat three times a day and see your children well and happy around you cannot understand what a starving Indian feels! We were faint with hunger and maddened by despair. We held our dying children and felt their little bodies tremble as their soul went out and left only a dead weight in our hands. They were not very heavy but we were faint and the dead weighed us down. There was no hope on earth. God seemed to have forgotten. Someone had been talking of the Son of God and said He had come [a reference to the Ghost Dance]

movement]. The people did not know; they did not care; they snatched at hope; they screamed like crazy people to Him for mercy they caught at the promise they heard he made. The white men were frightened and called for soldiers. We begged for life and the white men thought we wanted theirs; we heard the soldiers coming. We did not fear. We hoped we could tell them our suffering and could get help. The white men told us the soldiers meant to kill us; we did not believe it but some were frightened and ran away to the Badlands. The soldiers came. They said: "don't be afraid — we come to make peace not, war." It was true; they brought us food. But the hunger-crazed who had taken fright at the soldiers' coming and went to the Badlands could not be induced to return to the horrors of reservation life. They were called Hostiles and the Government sent the army to force them back to their reservation prison.

COV LUS NUG KOM TO TAUB

Teb cov lus nug nram qab no, siv cov pov thawj nyob hauv cov ntawv coj los txhawb koj cov lus teb.

1. Tsoom fwv tsim tau teeb meem li cas rau cov Neeg Khab lub neej?
2. Lo lus ration zoo li muab siv nyob zaj lus ntawm no yog txhais li cas?
3. Vim li cas es ib txhia tib neeg thiaj li tsis ntshai thaum cov tub rog tuaj yuav txog?

Hauv qab no yog ib qhov piv txwv ntawm cov ntawv uas cov me nyuam kawm qib 6 yuav tau sau.²

LYDDIE'S CHOICES

Lyddie Worthen is the main character in Katherine Patterson's Lyddie. Lyddie is a young girl living on a Vermont farm in the 1840's. This is the time of the Industrial Revolution. Lyddie's father has abandoned the family and Lyddie's mother leaves her and her brother behind thinking that the world is coming to an end. The only thing Lyddie has left is her farm which she desperately wants to hold on to. In order to keep her farm Lyddie has to work off the debts on her farm, but the job she has isn't paying enough, so she leaves to begin a new life as a factory girl at the newly developed textile mills in Lowell Massachusetts. Because of working in the Lowell mills Lyddie gets a broader sense of herself. She is able to make some choices about who she wants to be in her life.

Lyddie is working at a place called Cutlers Tavern for very low wages. If she keeps working like this she will never be able to pay off her debts, so she decides to go to Lowell and work in the mills so that she can make more money.

She is told by a customer who works in the mills "you'd do well in the mill you know. You'd clear at least two dollars a week. And' she paused 'you'd be independent.'" (p. 25)

Lyddie then makes the choice to go to the mill. She realizes that at the mill she will be able to pay off the farm debts faster. This is a hard choice for Lyddie, if she stays at the tavern she knows that she will continue to make money and eventually pay off the debt. If she goes to the mill she has a chance of not getting the job at all but if she does get the job she will be able to pay off the farm debts much faster. This is when Lyddie

Muab lub tswv yim tseem
ceeb nyob hauv zaj dab
neeg coj los qhia meej
meej ua ntej, suav nrog
rau lub npe ntawm zaj
dab neeg, tus kws sau
zaj dab neeg, & cov neeg
nyob hauv zaj dab neeg

Siv cov lo lus uas muaj
kev cuam tshuam rau
qhov kev pauv hu ua
Industrial Revolution
(Kev Pauv Mus Siv
Tshuab Rau Txoj Kev
Tsim Ub Tsim No)

Siv cov lo lus uas muaj
kev cuam tshuam rau
qhov kev pauv hu ua
Industrial Revolution
(Kev Pauv Mus Siv
Tshuab Rau Txoj Kev
Tsim Ub Tsim No)

Muaj cov lus qhia txog
tej yam tseem ceeb, cov
lus txhais ntawm cov lo
lus, & cov lus nyob hauv
cov ntawv (quotations)

Muaj cov lus qhia txog
tej yam tseem ceeb, cov
lus txhais ntawm cov lo
lus, & cov lus nyob hauv
cov ntawv (quotations)

Siv ib cov lo lus uas muaj
kev cuam tshuam rau qhov
kev pauv hu ua Industrial
Revolution (Kev Pauv
Mus Siv Tshuab Rau Txoj
Kev Tsim Ub Tsim No)

²Cov ntawv uas Student Partners tso lus rau peb muab coj los siv ua piv txwv. "Cov Ntawv Cov Tub Ntxhais Kawm Ntawv Sau Uas Peb Muab Coj Los Siv Ua Piv Txwv." Achieve the Core (Ua Tiav Lub Hauv Paus), <https://achievethecore.org/category/330/student-writing-samples>

begins to take her life into her own hands and makes the choice to take a chance at the mill.

When Lyddie begins working at the mill, she starts making much more and with that money she is able to buy a book. Lyddie does not have a good education and people at the mills by her roommate Betsy she becomes passionate about reading so she goes to buy a book.

“I-I come to purchase at book...” “what book do you have in mind...” “uh-uh Oliver Twist if you please sir” (p.83-84) she then pays with two silver dollars.

By making the choice to purchase that book she opens the doors to education and becomes a smarter person who loves to learn. She also changes from a thrifty penny pincher to someone who realizes that money isn't always the most important thing in life.

Because of Lyddie's love for reading she makes the choice to leave the farm that she has just returned to, and leave Luke, the man who loves her to go to Oberlin College in Ohio.

“I'm off” she said ‘to Ohio, there's a college there that will take a women just like a man’’. (p.181)

By making the choice to go to college Lyddie is showing that she won't give up on her education and won't give up on an adventurous life. Even though things haven't been great for her she is still ready to start another chapter in her life.

What does the author want us to understand about the power of the Industrial Revolution? I think that in Lyddie it is showing that the Industrial Revolution gave people many opportunities in their

Siv ib cov lo lus uas muaj kev cuam tshuam rau qhov kev pauv hu ua Industrial Revolution (Kev Pauv Mus Siv Tshuab Rau Txoj Kev Tsim Ub Tsim No)

Piav qhia cov lus nyob hauv cov ntawv & qhia hais tias yog vim li cas cov lus ntawd thiab li txhawb lub tswv yim

Siv cov lo lus uas pauv ntawm ib yam mus rau ib yam (transition words) coj los qhia saib cov tswv yim thiab cov ntsiab lus yog muaj kev cuam tshuam zoo li cas

Siv ib cov lo lus uas muaj kev cuam tshuam rau qhov kev pauv hu ua Industrial Revolution (Kev Pauv Mus Siv Tshuab Rau Txoj Kev Tsim Ub Tsim No)

lives. The Industrial Revolution also had lots of hard moments where people would get sick, break a bone, or even die. The Industrial Revolution seemed to rule a lot of people's lives and ruin their families. Lyddie took advantage of the Industrial Revolution well and through the choices she made was able to pull past just being a factory girl and take different paths in life.

Muaj ib cov lus xaus uas
rov qab piav txog lub
tsvv yim tseem ceeb
hauv zaj dab neeg





COV DEJ NUM NIAJ HNUB UA LOS MUS TXHAWB TXOJ KEV KAWM



Yog koj tus me nyuam kawm qib 6 pheej nres nyob rau ntawm tej lo lus, los sis nws lub suab pheej nrov tsis xws yees thaum nws nyeem ntaww, mus nrog nws tus xib hwb sib tham hais txog qhov nyeem tau ntaww zoo. Ntxiv rau qhov ntawd, hais kom koj tus me nyuam xyam nyeem ntaww uas tsis muaj ntaww ntaww kom nws nyeem tau ntaww zoo ntxiv, zoo li cov paj huam los sis cov dab neeg luv

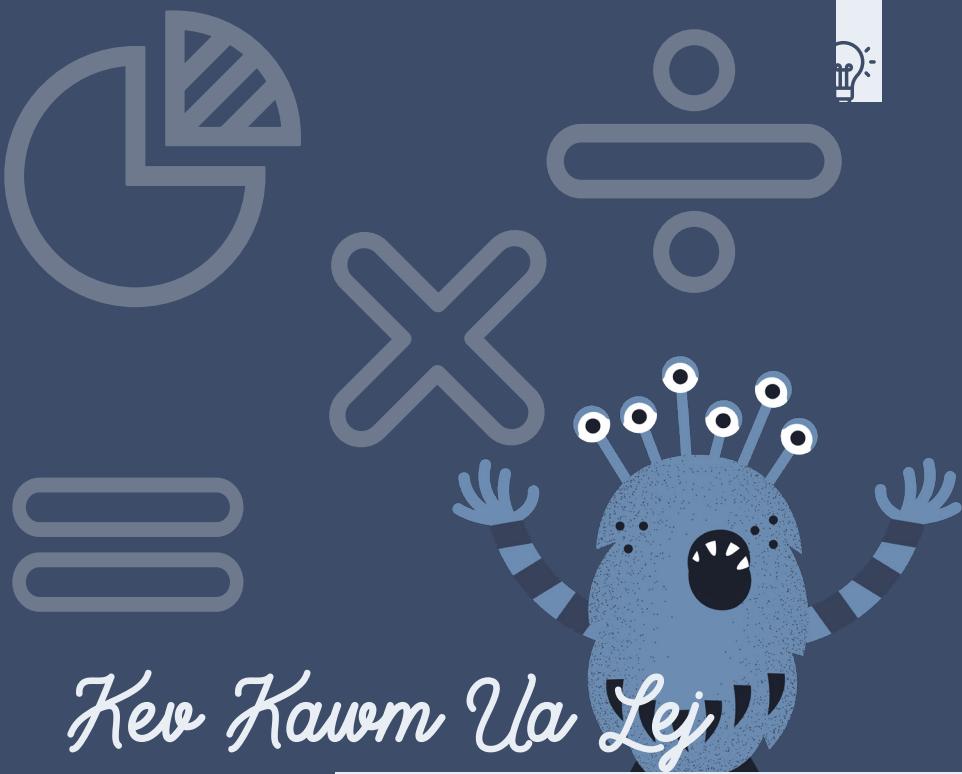
- Hais kom koj tus me nyuam kawm qib 6 mus xaiv ib phau ntaww uas nws xav nyeem nws tus kheej txhua hnub. Nyeeem ntaww phau ntaww ntev ntev mus yeej yog ib yam tseem ceeb. Cia koj tus me nyuam xaiv phau ntaww sub nws thiaj li yuav xav nyeem
- Nquag mus siv Nroog Hennepin cov tsev cia ntaww - nws yog qhov uas yeej siv tau dawb! Txhua tus neeg yeej mus thov tau ib daim npav siv tsev cia ntaww dawb, tsis hais txog hais tias saib tus neeg txoj kev khiau tuaj nyob hauv lub teb chaws yuav yog muaj zoo li cas li
- Xaiv ib yam dab tsi coj los kawm ua ke. Nyeeem cov phau ntaww, mus saib hauv online, los sis mus tshawb fawb me ntsis txog ib yam dab tsi ua ke. Nug saib tus me nyuam kawm tau dab tsis nyob hauv cov ntaww uas nws nyeem. Hais kom nws muab qhov nws kawm tau coj los qhia rau koj, qhia rau cov phooj ywg, los sis qhia rau lwm tus neeg hauv tsev neeg
- Hais kom koj tus me nyuam xyam sau ntaww. Lawv yeej siv tau ib phau ntaww coj los sau txhua yam uas tshwm sim rau lawv hauv txhua hnub, yeej sau tau ntaww ua tej tsab ntaww los sis email, los sis sau tau lus tseg hais tias saib lawv kawm tau dab tsi
- Mloog cov lus tshaj tawm hu ua podcast ua ke & sib tham los sis sau ntaww hais qhov koj kawm tau
- Qhia koj tus me nyuam kawm qib 6 kom nws paub hais tias nws yeej siv tau tej yam uas nws kawm nyob hauv tsev kawm ntaww coj los ua nws lub neej yav tom ntej:
 - Hais kom cov phooj ywg & tsev neeg qhia koj tus me nyuam kawm qib 6 kom nws paub hais tias nws yuav muab tej yam uas nws kawm nyob hauv tsev kawm ntaww coj mus siv li cas
 - Mus koom ib quo kev qhia sau ntaww nyob ntaww lub chaw uas pej xeem mus siv
 - Hais kom koj tus me nyuam mus pab hauj lwm nyob ntaww cov kev sib sau & cov dej num nyob hauv lub zej zog
- Nrog koj tus me nyuam kawm qib 6 sib tham txog tsev kawm ntaww qib siab. Mus nrhiai saib cov ntaub ntaww twg yog cov uas koj yuav tsum tau muaj los mus ua tsab ntaww thov mus kawm tsev kawm ntaww qib siab. Qhia koj tus me nyuam uas kawm tsev kawm ntaww theem nrub nrab (middle school) kom nws paub hais tias cov kev kawm uas nws tab tom kawm tam sim no yeej yog ib cov uas yuav npaj kom nws mus kawm tau tsev kawm ntaww theem siab (high school) & tsev kawm ntaww qib siab (college)
- Muab ib cov hauj lwm yuav tsev rau koj tus me nyuam ua txhua lim tiam uas nws yuav tau nyeem ntaww zoo li ua zaub mov noj, mus yuav khoom, & txheeb cov ntaww uas neeg xa tuaj
- Teev ib lub sij hawm uas cov ntaub ntaww ua coj los kawm hauv tsev & ua raws nraim li ntawd Xyuas kom meej hais tias koj tus me nyuam yeej ua tag nws cov ntaub ntaww uas coj los kawm hauv tsev txhua hnub



COV QAUVT LOS SIS PIV TXWV

TSWV YIM MUS NROG COV XIB HWB QHIA NTAWV SIB THAM

1. Koj muab puas tau cov qhab nia ntawm qhov kev ntsuas kuv tus me nyuam txoj kev paub nyeem ntaww uas nyuam qhuav muab tag los tsis ntev no rau kuv saib?
2. Kuv tus me nyuam kawm qib 6 ua tau dab tsi zoo, & koj yuav muab cov txuj ci uas nws paub ua ntawm no coj los siv li cas nyob hauv chav kawm ntawv?
3. Cov ntawv uas koj xaiv rau cov me nyuam nyeem yog koj xaiv li cas? Kuv tus me nyuam kawm qib 6 puas yuav pom cov ntsej muag & cov chaw uas lawv paub nyob hauv cov phau ntawv? Lawv puas yuav paub ib cov tib neeg thiab chaw tshiab?
4. Cov me nyuam kawm qib 6 yuav kawm tau dab tsi thaum lawv nyeem ntawv? Kuv tus me nyuam kawm qib 6 yuav tsum nkag siab & paub tham txog dab tsi yog muab saib raws li cov ntawv uas nws nyeem? Cov tswv yim uas lawv nyeem hais txog keeb kwm & science yog cov twg?
5. Kuv tus me nyuam kawm qib 6 puas muaj cib fim los mus xaiv cov phau ntawv uas nws xav nyeem? Puas yog nws tsuas nyeem tau cov phau ntawv uas koj tau xaiv rau nws nyeem xwb los sis puas yog nws tsuas nyeem tau cov phau ntawv uas muaj rau cov me nyuam kawm ib qib ntawv twg nyeem xwb?
6. Kuv tus me nyuam kawm qib 6 puas sau ntawv coj los qhia hais tias nws yeej paub cov ntawv uas nws tab tom nyeem & tab tom kawm? Nws puas siv cov lus nyob hauv cov ntawv coj los ua piv txwv & puas muaj cov lus qhia meej txaus? Nws puas siv cov lo lus uas muab cov tsiaj ntawv sau yog (spelling), siv cov lus tswj txoj kev sau ntawv los sis siv lus yog tag (grammar), & siv cov cim yog tag (punctuation)? Yog nws siv tsis yog, kuv yuav ua li cas kuv thiaj li yuav pab tau nws?
7. Kuv tus me nyuam sau tau ntawv ntawv npaum li cas nyob hauv lub sij hawm kawm ib Yam kev kawm ib zaug tauj ib hnub? Koj yuav ua li cas los muab cov lus qhia hais tias koj xav li cas txog cov ntawv nws sau & nws muab cov ntawv nws sau kho li cas?
8. Koj puas muaj cov ntawv ua piv txwv rau cov ntawv uas kuv tus me nyuam sau? Kuv tus me nyuam puas tau rov qab muab ib cov ntawv sau dua?
9. Kuv tus me nyuam kawm qib 6 puas hais tau lus & mloog neeg hais lus nyob hauv chav kawm ntawv uas yeej qhia hais tias nws yeej nkag siab cov ntawv uas nws tab tom kawm? Nws puas siv cov pov thawj nyob hauv cov ntawv, siv cov lus teb uas muaj lus qhia meej, & hais lus muaj ntsiab lus txaus coj los qhia hais tias nws yeej nkag siab? Yog nws ua tsis tau zoo li ntawd, cov teeb meem uas nws muaj yog dab tsi?
10. Kuv yuav ua tau dab tsi coj los pab kuv tus me nyuam kawm qib 6 nyob hauv chav kawm ntawv? Nws yuav ua li cas es nws thiaj li yuav muaj kev sib raug zoo nrog koj & nws thiaj yuav sib zog rau nws txoj kev kawm?



Kev Kawm Ua Lej"

DAB TSI YOG COV UAS KOJ TUS ME NYUAM
YUAV TSUM TAU PAUB & YUAV TSUM UA TAU

Nyob hauv qib 6, cov tub ntxhais kawm ntawv yeej kawm txog ratios (lej sib piv ua feem) & proportions (cov lej uas muaj kev sib cuam tshuam). Lawv los kuj kawm los mus muab cov lus qhia txog ib cov lej (expressions) kho kom muaj tsawg, & muab cov lej muaj ob sab sib npaug uas tsis muaj ib cov lej nyob rau ntawd ua kom paub hais tias cov lej uas tsis muaj nyob rau ntawd yog pes tsawg. Cov tub ntxhais kawm ntawv yuav tsum tau sib pab nyob hauv chav kawm ntawv, sib tham hais tias saib lawv yuav ua cov lej li cas, & koj qhia kuv kuv qhia koj. Cov me nyuam kawm qib 6 yuav tsum tau siv cov lus qhia txog lej coj los qhia hais tias yog vim li cas (mathematical arguments) & siv ntau txoj kev coj los ua ib cov lej. Lawv yuav tsum tau ua cov lej uas yog naj npawb & lus tib si, suav nrog rau cov teeb meem uas niaj hnub muaj. Qhov kawg, lawv yuav tsum tau kwv yees ua ntej lawv ua cov lej & yuav tsum paub hais tias saib qhov lawv kwv yees yeej yog ib qhov tsim nyog muaj.

Yog xav pom tag nrho lub xeev cov qauv rau Kev Kawm Ua Lej rau cov tub ntxhais kawm qib 6, mus xyuas ntawm no: [education.mn.gov/
MDE/dse/stds/Math](http://education.mn.gov/MDE/dse/stds/Math)

KEV KAWM UA COV LEJ UAS MUAJ RAU QIB 6³

- ✓ Ua tau cov lej sib ntixiv, lej rho, lej suav ua npaug & lej sib faib uas muaj cov naj npawb loj & muaj cov cim decimals ceev
- ✓ Nrhiav tau cov factors (cov lej uas muab faib tau rau ib tus lej tsis muaj qhov seem) & cov multiples (cov lej uas muab suav ua npaug tau mus rau ib tus lej) ntawm cov whole numbers (lej kheej) sai
- ✓ Nkag siab txog ratios (lej sib piv ua feem) & rates (lej feem pua), & ua tau cov lej cuam tshuam rau proportional relationship (qhov kev sib cuam tshuam ntawm ib cov lej)

Yog nws siv 7 teev los mus txiav tag 4 lub tiaj nyom, nws yuav txiav pes tsawg lub tiaj nyom nyob hauv 35 teev?

- ✓ Ua cov lej uas cuam tshuam rau lej feem pua. Nrhiav tus lej uas tsis paub thaum paub tus whole number (lej kheej) & tus lej feem pau lawm

Koj yuav xaiq qhov twg ntawm qhov nyiaj uas koj yeej, 33% ntawm \$100 los sis 75% ntawm \$50?

- ✓ Cov lej feem (fractions) uas suav ua npaug (multiply) & muab sib faib (divide) Muab cov lej feem (fractions) xam ua lej muaj decimals, & ua lej feem pua
- ✓ Nkag siab cov absolute values (qhov kev ntawm ib tus naj npawb). Paub muab qhov absolute value ntawm cov naj npawb uas loj dua 0 (positive) & me dua 0 (negative) coj los raws seem
- ✓ Nyeem, sau & siv cov order of operations (qhov hais tias yuav ua cov lej twg ua ntej) & cov properties of algebra (cov lus tswj kev ua lej algebra) coj los muab cov expressions (cov lus qhia ib cov lej) pauv kom nyob raws seem

24x + 18y yeej yog qhov lej uas muab sau tau ua 6(4x + 3y)

y + y + y yeej yog ib cov lus qhia lej uas muab sau tau ua 3y

- ✓ Siv variables coj los ua qhov hais tias muaj npaum li cas Sau cov equations (cov lej uas muaj lej nyob ob sab sib npaug zos) & inequalities (cov lej uas muaj cov lej nyob ib sab ntawm tshaj ib sab) coj los ua cov lej uas muab sau ua lus & coj los piav qhia txog qhov kev sib cuam tshuam nyob ntawm cov variables

lb tug tub ua teb siv ib lub tsheb cog pob kws coj los cog pob kws ceev ceev rau thaum lub caij nplooj ntoos hlav. Tus tub liaj tub teb cog tag 216 acres (ev kawj) txhua txhua 12 teev. Sau ib qhov equation uas qhia cov ev kawj uas tus tub liajj tub teb yuav cog tag nyob hauv "n" teev.

Ua qhov lej ntawm ib qhov equation uas tsis muaj ib tus lej los sis muaj ib tus variable

$$7x = 22 \quad x = ?$$

- ✓ Nrhiav qhov area (qhov dav), surface area (qhov dav sab nraum), & volume (qhov dav hauv nruab nrog) ntawm cov khoom 2D (muaj 2 seem) & 3D (muaj 3 seem). Piav qhia txog cov formulas (qauv) uas muab siv
- ✓ Kawm kom nkag siab cov lej statistics (kev txheeb xyuas ntawm cov lej hais txog ib yam dab tsi). Txiat txim & piav qhia cov lej ntsuas qhov nruab nrab (suav nrog rau mean (qhov nruab ntawm cov lej suav tag nrho ua ke), mediam (tus lej nyob hauv nruab nrab ntawm tag nrho cov lej), & mode (tus lej uas muaj ntawm tshaj nyob hauv cov lej) & cov lej ntsuas qhov variability (qhov txawv) (suav nrog rau range (qhov txawv ntawm qhov me tshaj mus rau qhov loj tshaj)). Paub xaiv cov kev ntsuas uas yog cov yuav muab siv tau coj los teb ib nqis lus nug

³<https://www.mathmilestones.org/gradelevel-grids>



COV LEJ UA PIV TXWV RAU QIB 6

Hauv qab no yog ib cov lej ua piv txwv ntawm cov lej uas cov me nyuam kawm qib 6 yuav tau ua.^{4/5}

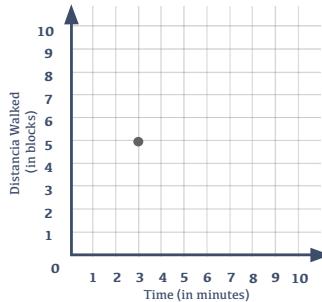
1. Nws muaj 24 tus neeg laus thiab 30 tus me nyuam yaus nyob hauv ib lub chaw khaws khoom qub txog science. Qhov ratio ntawm cov me nyuam yaus rau tag nrho cov neeg nyob ntawm lub chaw khaws khoom qub txog science yog li cas?

A) $3b - 1 = 22$
B) $5b - 2 = 22$
C) $6b + 2 = 22$
D) $6b - 2 = 22$
2. Brennan muaj b xyoos. Shin lub hnub nyoog yog 1 xyoos tsawg dua 2 npaug ntawm Brennan lub hnub nyoog. Marcos lub hnub nyoog yog 1 xyoos tsawg dua 3 npaug ntawm Brennan lub hnub nyoog. Peb tus me nyuam tub lub hnub nyoog suav ua ke yog 22. Qhov equation twg yog qhov qhia qhov lej ntawm no?

a.) $3b - 1 = 22$
b.) $5b - 2 = 22$
c.) $6b + 2 = 22$
d.) $6b - 2 = 22$
3. Ib qhov kev tshawb fawb tau qhia hais tias qhov ratio ntawm cov tib neeg uas lawv tau lawv cov xov xwm los ntawm social media rau cov tib neeg uas lawv tau lawv cov xov xwm los ntawm lwm yam kev tshaj xov xwm yog 3:7.

a.) Yog muab saib raws li qhov ratio ntawm no, pes tsawg tus neeg nyob hauv ib lub nroog uas muaj 900 leej neeg tau lawv cov xov xwm los ntawm social media?

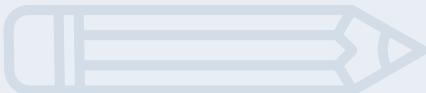
b.) Mildred siv sij hawm li ntawm 3 feeb es nws thiaj li taug tau kev mus deb li 2 nplov (blocks) kev. Peb twb muab ib lub cim tso rau ntawm ib phab ntawv muaj kab sib tshuam coj los qhia qhov ntawm no lawm.
a.) Muab lub cim thib ob coj los tso qhia qhov ratio ntawm no.



- b.) Piav qhia saib lub chaw uas koj muab lub cim tso rau yog sawv cev dab tsi.

⁴Cov ntaub ntawv uas tso tawm los ntawm Minnesota Comprehensive Assessment. MDE yog tus muaj cai txwv tsis pub muab luam tawm <https://education.mn.gov/MDE/dse/test/items/>

⁵Cov lej uas Student Partners tso lus rau peb muab coj los siv ua piv txwv. "Kev Ntsuas Saib Paub Lej Ntau Npaum Li Cas." Achieve the Core (Ja Tiav Lub Hauv Paus), <https://achievethecore.org/category/1020/mathematics-assessments>

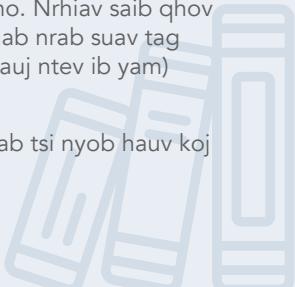


5. Ib lub khw muaj ib cov ice cream uas muaj ib thawv loj ib thawv me. Tus nqi ntawm thawv me yog \$3.87 rau 48 ooj (ounces). Tus nqi ntawm thawv loj yog \$6.42 rau 128 ooj (ounces). Thawv ice cream twg yog thawj pheej yig tshaj rau ib ooj (ounce). Siv naj npawb, lus, thiab/los sis duab coj los qhia koj cov lus teb.
 6. $462.8 + \frac{1}{6} = ?$
 7. Jenna tsev neeg tab tom yuav mus xyuas kwv tij neej tsa.
 - Tom qab tsav tsheb mus tau deb li 72 mais (miles), lawv siv tag 3.2 nkas loos (gallons) roj.
 - Nws tshuav deb li 850 mais (miles) es lawv mam li mus txog .
 - Lub taub roj nyob hauv lawv lub tsheb yuav ntim tau 15 nkas loos (gallons) roj.
- Lawv yeej sam roj puv nkaus thaum lawv yuav pib mus. Lawv yeej npaj hais tias lawv tsuas sam roj thaum roj yuav tag xwb. Nws yeej muaj chaw sam roj ntau nyob raws txoj kev uas lawv yuav khiav mus.
- Jenna tsev neeg yuav tau nres sam roj pes tsawg zaus es lawv thiab li mus txog? Siv naj npawb, lus, thiab/los sis duab coj los qhia koj cov lus teb.
8. Ib lub taub dej uas yog ib lub rectangular prism (ob sab ntev ob sab luv) siab li 78 ntiv (inches), dav li 66 ntiv (inches), thiab ntev li 2 kauj ruam (feet). Ib kauj ruam xim fab xim meem (cubic foot) dej yog hnyav kwv yees li ntawm 62.43 phaus (pounds). Cov dej nyob hauv lub taub dej yuav hnyav npaum li cas thaum ntim dej puv nkaus lawm?



COV DEJ NUM NIAJ HNUB UA LOS MUS TXHAWB TXOJ KEV KAWM

- Nrog koj tus me nyuam kawm qib 6 sib tham hais txog cov lej uas nws ua tau. Dab tsis yog cov uas lawv tab tom kawm tshiab? Lawv puas muaj teeb meem dab tsi? Koj pab puas tau lawv?
- Thaum koj tus me nyuam kawm qib 6 xav kom koj pab nws ua cov ntaub ntawv uas nqa coj los kawm hauv tsev, nws cov lus nug uas yuav pab ua kom nws paub daws qhov teeb meem. Tsis txhob daws qhov teeb meem rau nws.
- Pab koj tus me nyuam kawm qib 6 nrhiav tej yam uas yuav pab nws kawm tau tej yam dab tsi. Hais kom koj tus me nyuam mus nrog nws tus xib hwb sib tham hais txog tej yam uas yuav pab tau, zoo li dej num rau nws xyaum, muab sij hawm ntxiv, los sis nrhiav kev pab ntxiv.
- Hais kom koj tus me nyuam tham txog tej yam uas nws tab tom kawm & qhia saib nws pom tej yam ntawm no nyob ib ncig ntawm nws rau qhov twg. Piv txwv, nws pom cov lej me tshaj 0 (negative) nyob qhov twg uas tsis yog thaum lawv nyob hauv chav kawm ua lej?
- Coj koj tus me nyuam nrog koj mus yuav khoom. Hais kom nws muab cov nqi coj los sib piv los mus nrhiav qhov khoom uas tus nqi pheej yig tshaj. Hais kom nws kww yees saib qhov se rau yam khoom ntawd yog yuav raug npaum li cas
- Nug koj tus me nyuam kawm qib 6 hais txog cov lej uas nws xav muab ua kom paub hais tias yog li cas. Nws puas siv tau cov lej ntawm no nyob ntawm nws txoj hauj lwm thaum nws muaj hnub nyooog lawm?
- Hais kom koj tus me nyuam kawm qib 6 mus tshawb fawb txog tej yam uas nws nyiam. Piv txwv, hais kom nws mus nrhiav 30 zaj nkauj nws nyiam mloog nyob hauv lub hlis no. Nrhiav saib qhov range (qhov ntev thiab luv), mean (qhov nruab nrab suav tag nrho ua ke), & mode (qhov muaj ntau zaj nkauj ntev ib yam) ntawm cov nkauj yog li cas
- Qhia koj tus me nyuam saib koj siv lej rau dab tsi nyob hauv koj lub neej txhua hnub





TSWV YIM MUS NROG COV XIB HWB QHIA NTAWV SIB THAM

1. Koj muab kuv tus me nyuam qhov qhab nia xeem lej uas nyuam qhuav muaj tag los tsis ntev no puas tau rau kuv saib?
2. Cov tswv yim tseem ceeb uas cov me nyuam kawm qib 6 yuav kawm hais txog kev ua lej yog cov twg? Kuv tus me nyuam puas nkag siab cov lej uas muab rau nws kawm? Koj muab puas tau ib cov ntawv ua piv txwv coj los rau kuv saib?
3. Kuv tus me nyuam npaj li cas los ua ib qhov lej uas muaj cov kev ua lej nyuaj? Kuv yuav ua li cas es kuv thiaj li yuav pab tau nws thaum nws muaj cov teeb meem uas yuav daws tau nyuaj?
4. Kuv tus me nyuam yuav tsum tau nkag siab & paub tham hais txog dab tsi ntawm cov ntaub ntawv uas nws tau kawm?
5. Kuv tus me nyuam puas qhia tau rau koj hais tias nws nkag siab cov lej uas nws kawm tag? Yog nws qhia tsis tau, cov teeb meem uas nws muaj yog dab tsi? Kuv yuav ua li cas es kuv thiaj li yuav pab tau nws?
6. Kuv yuav ua li cas es kuv thiaj li yuav pab tau & hais tau kom kuv tus me nyuam kawm qib 6 los mus sib zog rau nws txoj kev kawm?





to taub txog
cov ntsiab lus

Cov lus txhais ntawm cov lo lus siv hauv kev qhia ntaww

Cov xib hwb qhia ntawv yeej siv cov lo lus uas muaj ib cov lus txhais rau ib yam nyob hauv cov tsev kawm ntawv. Nkag siab cov lo lus ntawd yuav pab koj mus nrog tus xib hwb qhia ntawv sib tham.

QHOV KEV NTAUS NQI NTAWM TUS LEJ

Qhov ib tus naj npawb nyob deb ntawm lub xoom (zero). Muab tus cim "l" tso rau ntawm ob sab ntawm ib tus lej coj los qhia hais tias yog qhov absolute value (qhov kev ntaus nqi ntawm tus lej), yog li ntawd, qhov absolute value ntawm x yog muab sau ua lxl. $|4| = 4$ $|-5| = 5$

TUS KWS SAU NTAWV TXOJ KEV XAV

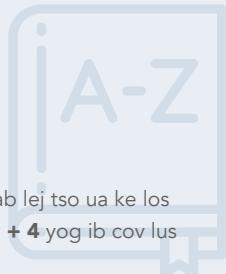
Tus kws sau ntawv txoj kev xav yog qhov hais tias saib tus kws sau ntawv piav zaj dab neeg zoo li nws yog tus neeg twg. Piv txwv, tej zaum tus kws sau ntawv kuj piav zaj dab neeg zoo li nws yog ib tus neeg nyob hauv zaj dab neeg, los sis tej zaum nws kuj piav zoo li nws yog ib tus neeg nyob sab nraum.

HNEEV TAW HAUVE KHOOM HLUAV TAWS XOB

Cov lus muaj nyob hauv internet hais txog ib tus tib neeg thaum nws nkag mus ua ib yam dab tsi nyob hauv online. Qhov ntawm no yog muaj cov lus uas nws muab coj mus sau rau hauv social media, cov duab, cov khoom nws yuav & lus nws sau hais txog cov khoom ntawd nyob hauv online, cov passwords, cov kev mus tso npe txais xov xwm los sis ib yam lus dab tsi & ntau yam ntxiv.

IB QHOV LEJ UAS MUAJ LEJ NYOB OB SAB SIB NPAUG ZOS

Ib nqis lus ua lej uas muab ob Yam khoom dab tsi coj los tso hais tias ntau sib npaug zos Ntau zaus, cov equations yeej muaj ib cov naj npawb uas tsis paub hais tias yog pes tsawg (hu ua variables) uas muab sau ua ib tus tsiaj ntawv. Piv txwv, $3b + 5 = 14$.



ILUS QHIA TXOG IB QHOV LEJ

Naj npawb, cov cim, & cov cim ua lej (zoo li + thiab x) uas muab lej tso ua ke los qhia hais tias ib Yam dab tsı ntaus nqi npaum li cas. Piv txwv, **y + 4** yog ib cov lus qhia, thiab **3 - x/2** los kuj yog ib cov lus qhia.

COV LEJ UAS MUAB FAIB TAU IB TUS LEJ TSIS MUAJ QHOV SEEM

Factors yog ib cov naj npawb uas peb yeej muab suav tau ua npaug ua kev kom tau ib tus naj npawb txawv cov naj npawb ntawd. Piv txwv, 2 & 3 yog factors ntawm 6 vim hais tias 2 npaug 3 yog muaj 6.

COV LEJ UAS MUAJ COV LEJ NYOB IB SAB NTAU TSHAJ IB SAB

Qhov kev cuam tshuam nyob ntawm ob cov naj npawb uas tsis yog ntau sib npaug. Inequalities feem ntau yeej muaj ib tus naj npawb uas tsis paub hais tias yog pes tsawg. Piv txwv, **7x < 28**.

QHOV KEV NTSUAS TXOJ KEV PAUB NYEEM NTAWV

Ib qhov kev ntsuas muaj theem uas cov tub ntxhais kawm ntawv, cov xib hwb qhia ntawv, & cov niam txiv nyiam muab siv coj los qhia ob yam:

- 1) Txoj kev paub nyeem ntawm ib tus tub ntxhais kawm ntawv
- 2) Qhov nyuaj ntawm cov ntawv

Ntau zaus, koj yeej nrhiav tau tus naj npawb Lexile nyob rau ntawm phab ntawv tom qab ntawm phau ntawv los sis yog koj siv lub npe ntawm phau ntawv coj mus nrhiav ntawm www.lexile.com. Cov theem Lexile uas haum rau qib ntawv:

Qib 6-8 theem 925-1185

MEAN (QHOV NRUAB NRAB SUAV TAG NRHO UA KE)

Muaj tej lub sij hawm, peb los kuj muab qhov mean hu ua average thiab. Qhov mean yog muab tag nrho cov lej coj los sib ntxiv ua ke & mam li muab coj los faib rau tus naj npawb uas qhia hais tias muaj pes tsawg tus lej.

MEDIAN (TUS LEJ NYOB HAUVE NRUAB NRAB NTAWM IB COV LEJ)

Tom qab muab ib cov lej coj los tso raws li qhov hais tias tus lej me tshaj mus rau tus lej loj tshaj, tus median yog tus lej uas nyob hauv nruab nrab ntawm cov lej ntawd.

MODE (TUS LEJ UAS MUAJ NTAU TSHAJ NYOB HAUV COV LEJ NTAWD)

Mode yog tus lej uas muaj ntau tshaj nyob hauv ib cov lej. Nws yeej muaj cov sij hawm uas tsis muaj ib tus mode yog tag nrho cov naj npawb uas muaj nyob hauv yeej muaj ntau sib npaug. Nws los yeej muaj tej lub sij hawm uas muaj ntau tshaj ib tus mode yog nws muaj ntau ntau tus lej nyob hauv cov lej ntawd uas muaj ntau sib npaug.

Hnub nyooq ntawm cov tub ntxhais kawm ntawv:

8, 9, 10, 11, 11, 13, 13, 14, 14, 14, 15

Media = $(\text{Suav Tag Nrho Ua Ke}) \div (\text{Muaj pes tsawg tus tub txhais kawm ntawv})$
Mean = $132 \div 11$
Mean = 12

Median = $\text{Tus naj npawb nyog hauv nruab nrab}$
Median = 13

Mode = $\text{Lub hnub nyooq uas cov me nyuam coob tshaj muaj}$
Mode = 14

MULTIPLES (COV LEJ UAS MUAB SUAV UA NPAUG TAU MUS RAU IB TUS LEJ)

Multiples yog cov naj npawb uas koj tau thaum koj muab ib tus naj npawb suav npaug nrog ib tus whole number (naj npawb kheej). Piv txwv, cov multiples ntawm 5 yog: 10, 15, 20, 25, 30...etc

ORDER OF OPERATIONS (QHOV HAIS TIAS YUAV UA COV LEJ TWG UA NTEJ)

Order of operations yog cov lus tswj uas qhia peb hais tias peb yuav tsum ua qhov lej twg ua ntej thaum ib qhov expression muaj ntau kauj ruam. Qhov qhia hais tias yuav ua qhov twg ua ntej yog muab tso ua PEMDAS kom nco tau yooj yim:

- 1) Parentheses
- 2) Exponents
- 3) Multiplication (Lej Suav Ua Npaug) & Division (Lej Sib Faib) ntawm laug mus rau pab xis
- 4) Addition (Lej Sib Ntxiv) & Subtraction (Lej Rho) ntawm phab laug mus rau phab xis

PARAPHRASE (KEV MUAB COV LUS NEEG SAU COJ LOS SAU KOM HAIS RAWS LI QHOV NKAG SIAB)

Muab ib nqis lus los sis ib sob lus sau zoo li qhov koj nkag siab.



PLAGIARISM (KEV MUAB COV NTAWV UAS YOG LWM TUS NEEG SAU COJ LOS UA TUS KHEEJ COV NTAWV)

Kev muab lwm tus neeg cov ntawv los sis tswv yim coj los ua koj li.

PROPERTIES OF ALGEBRA (COV LUS TSWJ KEV UA LEJ ALGEBRA)

Properties of algebra qhia cov kev uas yuav muab naj npawb coj los tso tau ua ke. Nyob hauv qib 6, cov tub ntxhais kawm ntaww yeej siv associative, communicative, & distributive properties of algebra.

Property (Lus Tswj)	Explanation (Lus Piv Qhia)	Example (Ua Piv Txvw)
Associative	Kev pauv cov lej nyob ua ke hauv parentheses was koj muab sib ntxiv yeej tsis pauv qhov was muab suav tag nrho ua ke Kev pauv cov lej nyob ua kev hauv parentheses was koj muab suav ua npaug yeej tsis pauv qhov muab suav tag nrho ua ke	(-3 + 5) + 2 yeej yog zoo ib yam li -3 + (5 + 2) (3 x 5) x -2 yeej yog zoo ib yam li -3 x (5 x -2)
Commutative	Kev pauv qhov hais tias yuav muab cov lej twg sib ntxiv ua ntej yeej tsis pauv qhov was muas suav tag nrho ua ke Kev pauv qhov hais tias yuav muab cov lej twg suav ua npaug ua ntej yeej tsis pauv qhov was muab suav tag nrho ua ke	3 + 5 + 2 yeej yog zoo ib yam li 2 + 3 + 5 3 x 5 yeej yog zooib yam li 5 x 3
Distributive	Yog thaum twg koj muab ib tus lej suav ua npaug nrrog ib cov lej sib ntxiv nyob hauv parentheses, koj yeej muab tus lej ntawd suav ua npaug nrrog cov lej nyob hauv parentheses ib tus zuj tus tag & mam li muab sib ntxiv los tau. $\text{a}(\text{b} + \text{c}) = \text{ab} + \text{ac}$	5(3 + 2) = 5 x 3 + 5 + 2 = 15 + 10 = 25

PROPORTIONAL RELATIONSHIPS (COV KEV SIB CUAM TSHUAM NTAWM IB COV LEJ)

Ib qhov kev sib cuam tshuam nyob ntawm ob tus lej txaww nyob hauv ib cov lej uas ib tus lej yeej yog tus tsis pauv ntawm lwm tus lej. Piv txvw, txhua tus ntsaum yeej muaj 6 phab kav ceg, yog li ntawm, nyob hauv ib lub zes ntsaum, tag nrho cov kav ceg suav ua ke yog rau npaug ntawm tag nrho cov ntsaum suav ua ke.

RANGE (QHOV TXAWV NTAWM QHOV ME TSHAJ MUS RAU QHOV LOJ TSHAJ)

Qhov txaww nyob ntawm qhov loj tshaj thiab qhov me tshaj nyob hauv ib cov lej.

RATIO (LEJ SIB PIV UA FEEM)

Qhov kev sib cuam tshuam nyob ntawm ob yam los sis ntau tshaj ntawd. Piv txvw, yog qhov ratio nyob ntawm cov me nyuam tub rau me nyuam ntxhais nyob hauv ib chav kawm ntaww yog 12:15 no, cev nws muaj 12 tus me nyuam tub nyob hauv chav kawm ntaww & muaj 15 tus me nyuam txhais.



READING LEVEL (THEEM NTAWM TXOJ KEV NYEEM NTAWV)

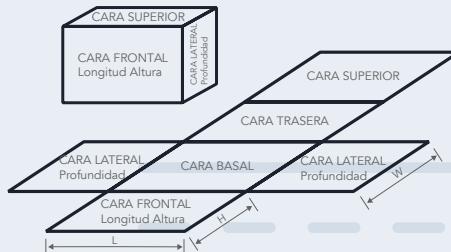
Cov xib hwb qhia ntawv yeej ib txwm ntsuas saib ib tus tub ntxhais kawm ntawv paub nyeem ntawv txog theem twg, uas yog siv ib tus tsiaj ntawv los sis ib tus naj npawb coj los qhia. Qhov no yuav pab qhia cov xib hwb qhia ntawv hais tias saib dab tsi yog cov uas cov tub ntxhais kawm ntawv tseem yuav tsum tau kawm. Tiam sis muaj tej lub sij hawm, cov xib hwb qhia ntawv tsuas pub cov me nyuam nyeem cov ntawv nyob rau theem ntawd xwb. Ceev faj txog qhov kev yuav kom cov me nyuam nyeem ntawv zoo li no. Yuav tsum tsis txhob txwv kom cov me nyuam tsuas nyeem tau cov ntawv haum los sis qis dua rau lub hom phiaj ntawm qib ntawv lawv kawm xwb.

TEXT COMPLEXITY (QHOV NYUAJ NTAWM COV NTAWV)

Ib qhov kev ntsuas hais tias saib ib cov ntawv nyuaj npaum li cas. Qhov nyuaj ntawm cov ntawv yeej yog muaj ntau ntaw yam nyob hauv. Txoj kev muab cov lo lus coj los tso ua ib nqis lus & txoj kev xaiv cov lo lus yeej ua tau kom cov ntawv nyuaj tuaj. Ib cov ntawv yeej nyuaj dua yog cov neeg nyeem yuav tsum tau muaj txuj ci ntau ntiv es lawv thiaj li yuav nkag siab hais tias yog txhais li cas, los sis yog cov ntawv yeej muaj ib cov lus txhais uas nyuaj.

SURFACE AREA (QHOV DAV SAB NRAUM)

Surface area yog qhov dav uas ntis tau ib tus qauv muaj peb seem.



VARIABLE (TUS TSIAJ NTAWV SAWV CEV IB TUS LEJ UAS TSIS PAUB HAIS YOG PES TSAWG)

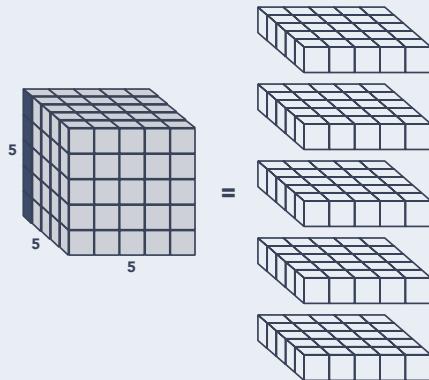
Ib tus variable yog ib tus tsiaj ntawv uas muab siv coj los sawv cev ib tus naj npawb uas tsis paub hais tias yog pes tsawg nyob hauv ib qhov equation (ib qhov lej uas muaj lej nyob ob sab sib npaug zos los sis ib qhov math expression (ib cov lus qhia txog lej). Neeg yeej siv ib lub cim coj los tso ua cov variables (feem ntau yeej yog ib tus tsiaj ntawv).

$$2x + 1 = 9$$

variable

VOLUME (QHOV DAV HAUV NRUAB NROG NTAWM IB YAM KHOOM)

Lub chaw uas ib yam koom muaj 3 seem yuav los ntis tau. Volume qhia rau peb hais tias peb yuav siv koom ntau npaum li cas es peb thiaj yuav ntim puv ib yam koom. Piv txwv, qhov dej uas koj yuav tsum tau siv coj los ntim kom koj ib lub hwj dej puv. Peb muab qhov volume ntawm ib yam koom ntsuas ua xim fab xim meem zoo li cubic centimenters, cubic inch, cubic foot, cubic meter, tej yam zoo li no.



ANSWER KEY

1: 5:9; **2:** D) $6b - 2 = 22$; **3:** 270; **4a:** Answers may vary, points (1.5, 1), (6, 4), and (9, 6) are all equivalent; **4b:** Answers may vary, point (6, 4) represents Mildred walking 4 blocks in 6 minutes; **5:** the larger container costs less per ounce; **6:** 463; **7:** Number of additional stops ≈ 1.516 , since we can't have a fraction of a stop, we must round up. Jenna's family will need to make 2 additional stops for gas to reach their destination. **8:** 4463.745 pounds

LUS QHIA HAIS TIAS MUAB QHOV TWG LOS

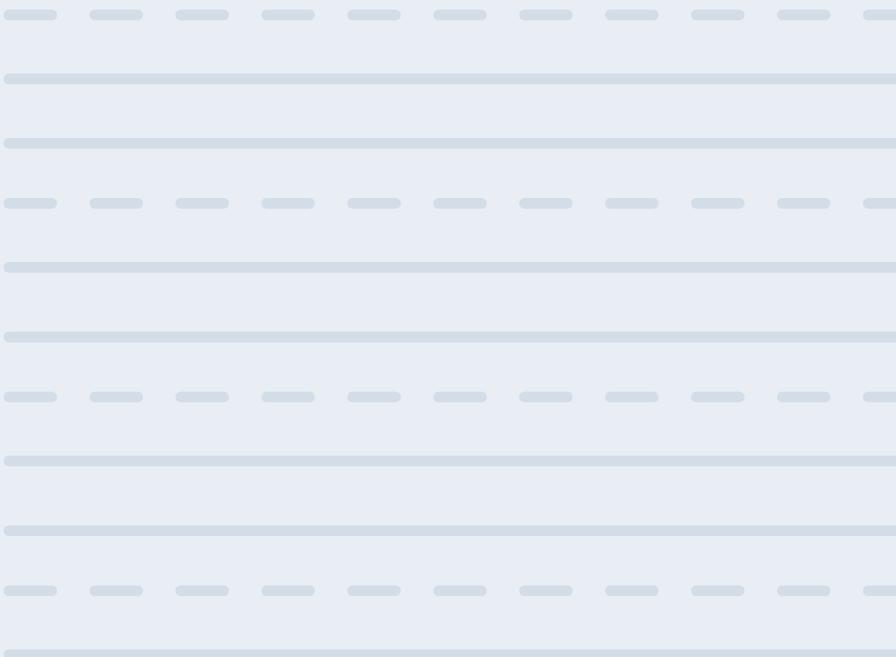
Minnesota Department of Education Academic Standards <https://education.mn.gov/mde/dse/stds/>

Seek Common Ground Family Guides <https://seekcommonground.org/family-guides>

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Great MN Schools yog lub chaw muab cov lus qhia ntawm no rau koj siv, uas yog ib lub koom haum nyob ze ntawm no uas tsis ua lag luam. Yog xav paub ntxiv & xav muab nyiaj mus pab, mus rau ntawm greatmnschools.org.

Qhia rau peb hais tias
saib koj muab cov lus qhia
ntawm no coj mus siv li cas!



XOO KUV