

Tagduda Tazzayrit Tamagdayt Tayerfant
Aylif n Uselmed Unnig d Unadi Ussnan
Tasdawit Abderrahmane Mira n Bgayet



Tamezdeyt n Tsekliwin d Tutlayin
Tasga n Tutlayt d Yidles n Tmaziyt

Tazrawt n Master

Tayult : Tutlayt d Yidles n Tmaziyt

Tafurekt : Tasnilest d Tesnalmudt

Tuzziqt : Tasnalmudt n Tutlayt Tamaziyt

Asentel

Allalen atraren deg uselmed (TICE):
ayerbaz alemmas aswir wis sin

Syur yinelmaden/ tnelmadin :

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Aseggas asdawan
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Asnemmer

Tazwara ad d-nini tanemmirt i yimawlan-ntey i yellan yer tama-ntey seg tazwara alami d tura.

Ad nesnemmer Mass Meksem i d-yellan yid-ney deg leqdic-a ama s yiwelohen-ines ney s tmusniwin-ines.

I unemhal n uyerbaz alemmas n Bni Mansur i iqeblen ad nerzu yer uyerbaz.

Tanemmirt i Mass Ben Aissou Fouad i ay-d-yefkan afus n tallelt imi nexdem tannayt,

Ad nesnemmer iselmaden n tesga n yidles n tutlayt n tmaziyt ladya iselmaden n tesnalmudt: Massa Amari Samira, massa Hamdi Naima d Mass Fedila Mekhlouf.

Abuddu

Ad buddey leqdic-a

- ♥ *I yimawlan-iw Ezizen i iyi-d-yettaken dima asirem ad lhuy ar sdat akked ibeddi-nsen yid-i.*
- ♥ *I yessetma Lydia d Cylia i yellan dima yer yidis-iw s iwellihen-nsent.*
- ♥ *I Emmi d twacult-is iyi-sbey sen deg umecwar-a.*
- ♥ *I Daoud i iyi-d-yefkan afus lemεawna deg usbeddi n leqdic-a.*
- ♥ *I temduk-al-iw merra mebla ma ttuy thiziri i icerkey yid-s tazrawt-a.*
- ♥ *I yiselmaden n Tesga n tutlayt d yidles amaziy.*

Fatiha

Abuddu

Ad buddey leqdic -a

- ♥ *1 baba ε zizen fell-i imi yefka-iyi-d tafat s wayes ttwaliy.*
- ♥ *1 yemma taḥnint, tameε zuzt imi tefka-iyi-d tayri s wayes ara ḥemmley kullec di ddunit.*
- ♥ *1 weltma tamecṭuḥt Litisia d Xlifa dadda ameqqran, d nutni iyi-d-yefkan lḡ ehd d teby est
iwakken ad izmirey ad kfiy leqdic -a.*
- ♥ *1 temdakkelt-iw n tasa Fatiḥa imi tedda-d amecwar yid-i alammi d taggara n tezrawt.*
- ♥ *1 Yinelmaden d yiselmaden n tesga n tutlayt d yidles n tmaziyt n tesdawit n Bgayet.*

Thiziri

Agbur

Asnemmer

Abuddu

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Tazwert tamatut

Tazwert tamatut

Tasnalmudt n tutlayin d yiwet n tayult i ixedmen yef usnerni n unnar n uselmed, iswi-s d asnerni n tmussniwin akked tzemmar n yinelmaden, ama tid n timawit ama tid n tira. Am wakken i d-yenna MEKSEM Zahir deg udlis-is: «*Iswi agejdan n uselmed n tutlayt, am wakken yezra yal yiwen, d asiweđ n yinelmaden akken ad smeyren tamussni-n sen n umawal n tutlayt akked usiweđ-n sen akken ad seun tizemmar iwatan deg tyuri d tira n yifuras n tutlayt akken ma llan.* »¹.

Aselmed d tigawt ney d yiwet n tarrayt i yessemras uselmad i usiweđ n tmussniwin i yinelmaden. Aya yettili-d s usemres n kra n wallalen n uselmed, ineggura-ya ttunehsaben d tayawsa ney d tarrayt s wayes inelmaden ad d-rren lwelha-n sen yer leqraya, macca tuyal yer uselmad ma yessemra-s allalen-a akken iwata.

Gar wallalen-a ad d-naf:

- **Aselmad**

Aselmas yesea tamlilt meqqren deg lebni n ugdud ney n lejyal (tasuta), yef waya ad d-naf d akken axeddim n uselmad yuær atas, d netta ara yessiwđen inelmaden akken ad snernin timussniwin-n sen akked tzemmar-n sen.²

- **Tafelwit i uselmed**

Allal-a yettili deg yal ayerbaz ney deg yal adeg n uselmed, yesseqdac-itt uselmad i usegzi n temsirin ugar, dayen tetteawan-it i usiweđ n tmussniwin i yinelmaden.³

- **Idlisen n uyerbaz**

Adlis n uyerbaz yettunehsab d allal gar wallalen n uselmed imi yesea tamlilt deg usnerni n tmussniwin akked tzemmar n yinelmaden. Yettili yer uselmad iwakken ad yedfer amahil yellan deg-s, akken dayen yettili yer unelmad iwakken ad ieawen iman-is deg uxxam.⁴

- **Ahil n uselmed**

Aselmad ilaq ad izer anda yebya ad yaweđ ney iswi n uselmed-ines, ad izer tirmad akk d yigburen s wayes ara yesselmed iwakken ad yaweđ yer yiswi-ines.⁵

¹ MEKSEM Zahir, 2010, *Tisekkiwin n yidrisen : Tagmert d tesledt*, Lezzayer, Asqamu Unnig n Timmuzya, asb.18

² REKIBI Malika, 2013/1014, «*Aselmed n tmaziyt deg uswir-is amezwaru*», akatay n taggara n turagt LMD, tasdawit n Tubiret, asb 26.

³ REKIBI Malika, Kif.ay.asb 27.

⁴ Kif.ay. kif.asb.

⁵ REKIBI Malika, kif.ay. asb 28.

Tazwert tamatut

Agnu

Deg tesnalmudt, atas n yiqeddicen i yellan akken ad snernin timussniwin akked tzemmar n yinelmaden, ama deg timawit ama deg tira. Asnerni-a yettili-d s useqdec n kra n wallalen ney n ttawilat n uselmed.

Seg umhaz n temguri, nnulfan-d wallalen atraren, ttwassnen seg useggas n 80 yer wass-a. Ttemhazen almi kecmen deg yal tayult, wwden almi kecmen deg tayult n uselmed anda iten-yessemras uselmad deg uselmed-ines. Yettili-d yes-sen usiwed n tmussniwin akked usnerni n tzemmar ama daxel ney berra n tneyrit, sean afus deg usnerni n tektiwin yellan deg wallay n yinelmaden.

Deg umahil-a, nra ad d-nerr yef useqsi-a agejdan:

« D acu s d-igellu usemres n wallalen atraren deg uselmed n tzemmar n tegzi s timawit yer yinelmaden n uswir wis sin ayerbaz alemmas? »

Iwakken ad d-nerr yef useqsi-a, ad d-nefk yiwet n turda:

- Allalen atraren snernayen tizemmar n tegzi s timawit yer yinelmaden, acku llan atas n ttawilat akka am tugniwin, izenziyen, tayect, timenna, i d-irennun ney i d-ikeccmen deg usegi, aya yettağğa inelmaden ad d-lemden timussniwin timaynutin yerna ad snernin amawal-n sen ugar.

I usidet n turda n umahil-a, nga tasastant deg uyerbaz alemmas aswir wis sin, nesseqdec tarrayt n yirim i ugmar n yinefkan.

- **Asissen n umahil:**

Amahil-a yebda yef sin n yixfawen; tizri d tesnarrayt akked tasleđt n yinefkan.

Ixef amezwaru tizri d tesnarrayt yebda yef sin n yihricen; ahric amezwaru d tizri, itezzi yef wallalen atraren: tabadut-n sen, anekcum-n sen yer uselmed, tixuttert-n sen deg uselmed akked lmaderra ney ugur-n sen deg uselmed. Ma d ahric wis sin d tasnarrayt, deg-s nemmeslay-d yef ufran d usissen n unnar, syin akkin tarrayt i nesseqdec i yellan d irim i ugmar n yinefkan, rnu nessasen-d irimen i nesseqdec akked tsalet i newwi. Ter taggara nemmeslay-d yef tarrayt i nesseqdec i tasleđt n yinefkan i d-negmer.

Ma d ixef wis sin d tasleđt n yinefkan, deg-s ad nexdem tasleđt yirimen i nga i yinelmaden deg tneyrit.

Ixef amezwaru
Allalen atraren

Tazwert n yixef

Ixef-a amezwaru tizri d tesnarrayt yebɗa yef sin n yiɗricen. Aɗric amezwaru d tizri, itezzi yef wallalen atraren.

Ad nebdu s kra n tbadutin i d-yellan fell-asen, syin akkin ad d-nemmeslay yef unekcum n wallalen-a atraren yer uselmed, syin yur-s tixuɗert-nsen deg uselmed, yer taggara ad nekfu s wugur-nsen deg uselmed.

Ma d aɗric wis sin d tasnarrayt, deg-s ad d-nemmeslay yef ufran d usissen n unnar, syin akkin neɗda yer tarrayt i nesseqdec i yellan d irim i ugmar n yinefkan, rnu nessasen-d irimen i nesseqdec akked tsalet i newwi. Fer taggara nekfa-d s tarrayt i nesseqdec i tesleɗt n yinefkan i d-negmer.

Ahric amezwaru

Allalen atraren

Tazwert

Deg uħric-a, ad d-nemmeslay yef wallalen atraren ney ayen iwumi qqaren titiknulujiyin n yisali d teywelt anda ara d-nesbadu kra n tmiđranin i yettezzin fell-as, syin yur-s ad d-nawi awal yef unekcum-nsent yer uselmed akked tixuťťert-nsent deg uselmed, yer taggara ad nekfu awal s wuguren ney lmaderra n useqdec-nsent deg uselmed.

I. Allalen atraren

Allalen atraren ttwassnen seg useggas n 80, ttemhazen, tternin almi kecmen deg yal tayult ladya tayult uselmed. Ass-a ulac amdan ney tayult i izemren ad tesmeħ deg wallalen-a, yerna seg mi d-nulfan nutni ttemhazen tternayen seg useggas yer wayeđ, yettbeddil usemmi-nsen seg usemres yer wayeđ.¹ Gar yismawen i d-yellan fell-as ad d-naf : titiknulujiyin n yisali d teywalt (TIC), titiknulujiyin timaynutin n yisali d teywalt (NTIC) akked titiknulujiyin n yisali d teywalt i uselmed (TICE).

1. Asbadu n kra n tmiđranin i yerzan yef wallalen atraren**1.1 Titiknulujiyin n yisali d teywalt (TIC)**

Tamiđrant-a n TIC temmal-d titiknulujiyin n yisali d teywalt, rzant tagruma n wallalen n yiseyzanen isenselkimanen akked agetmedia, ama d tugniwin, ama d ssut, ama d tabidyut, ama d arraten...

Ilmend n UNESCO, «*titiknulujiyin n yisali d teywalt temmal-d tagruma n wallalen n tiknulujiit, aseqdec-nsent yerza asiweđ, asekles, aslali d umbeddel n yisallen, ladya isenselkimen, internet, titiknulujiyin d wallalen n tnezwit ama tusridt (radyu, tilizri d tnezwit deg internet) ama d tarusridt (allalen n usekles) akked temsawla (tilifun, agensa, asarag s tbidyut, atg.)*»².

Aya yebya ad d-yini d akken titiknulujiyin-a n yisali d teywalt d tagruma n wallalen n tiknulujiit, ttusemrasent i uslali, asiweđ, asnezwi akked umbaddal n yisallen.

¹ HERBIL Fateh, HERRAD Chaabane, 2016/2017, «*Asemres n wallalen n titiknulujiit deg uselmed n tikkest n umezgun deg useggas wis sin n tesnawit*», Master, Bgayet, asb 25-26.

*«*les technologies de l'information et de la communication désignent l'ensemble d'outils et de ressources technologiques permettant de transmettre, enregistrer, créer, partager ou échanger des informations, notamment les ordinateurs, l'Internet (sites Web, blogs et messagerie électronique), les technologies et appareils de diffusion en direct (radio, télévision et diffusion sur l'Internet) et en différé (podcast, lecteurs audio et vidéo et supports d'enregistrement) et la téléphonie (fixe ou mobile, satellite, visioconférence, etc.)*»

² Institut de statistique de l'UNESCO, cosulté le 30 juillet 2022, «*Guide de mesure pour l'intégration des technologies de l'information et de la communication en éducation*» https://www.itu.int/en/ITU-D/Statistics/Documents/partnership/ICT_Guide_FR.pdf, asb 130.

Ilmend n OUAABA Mariam deg tezrawt-ines, tesbadu-d titiknulujiyin n yisali d teywalt akka: « *D tagruma n tfukas, llant akken ad zerwent, ad beddent, ad zuzrent isallen ladya inefkan umđinen. Mmalent-d akk allalen yettawin iznan.* »*¹. Seg tbadut-a negza-d d akken titiknulujiyin n yisali d teywalt meħsub sean-t yiwet n temlilt deg yal tayult rnu yes-sent i yettili usishel n yiqeddicen n tayulin yimxalafen.

1.2 Titiknulujiyin timaynutin n yisali d teywalt (NTIC)

Titiknulujiyin n yisali d teywalt ttemhazent almi d-kecment titiknulujiyin timaynutin iwumi qqaren titiknulujiyin timaynutin n yisali d teywalt (NTIC). Aya yuƧal Ƨer yiseggasen n 90 asmi d-tennulfa l'internet.

Ihi ilmend n usegzawal *Larousse*, titiknulujiyin timaynutin n yisali d teywalt « *d tagruma n tfukas yettusmarsen iwakken ad zerwent rnu ad zuzrent isallen*»*². Ihi yettili uzuzer akked tezrawt n yisallen s useqdec n kra n tfukas akka am l'internet, tilifun...

Ilmend n usegzawal n azerfan n BRAUDO Serge, «*NTIC: tanselfast NTIC (ney «TIC» agdazal-ines s tegnizit ICT: « titiknulujiyin n yisali d teywalt») temmal-d tagruma n titiknulujiyin yettusemrasen iwakken ad tezrew isallen umđinen rnu ad ten-tezuzzer. Tanfalit «titiknulujiyin timaynutin n yisali d teywalt» temmal-d tuddsa tasenselkimt akked tagaywalt, maca tuƧal tettwassen ladya deg usatal n internet akked agetmedia, yebya ad d-yini seg yisali aslizran umđin.* »*³

*«Elles sont un ensemble de technologies utilisées pour traiter, modifier et échanger de l'information, plus spécifiquement des données numérisées. Elles désignent tous les instruments porteurs de messages.»

¹ OUAABA Mariam, avril 2005, *Impacts des TIC sur le développement régional au QUÉBEC : le cas des PME Manufacturières de la Mauricie*, Université du Québec à Trois-Rivières, asb 25.

*«Ensemble des techniques utilisées pour le traitement et la transmission des informations (câble, téléphone, Internet, etc.)»

² <https://www.larousse.fr/dictionnaires/francais/NTIC/186559>. Consulté le 02 juillet 2022.

*«NTIC : L'acronyme NTIC (ou « TIC » équivalent de l'anglais ICT : « information and communication technologies ») désigne l'ensemble des technologies permettant de traiter des informations numériques et de les transmettre. L'expression « nouvelles technologies de l'information et de la communication » désigne donc une combinaison d'informatique et de télécommunications, mais elle s'est plus spécialement répandue dans le contexte du réseau Internet et du multimédia, c'est-à-dire de l'information audiovisuelle numérisée (images et sons, par opposition aux données de type texte et chiffres, moins volumineuses, qui constituaient l'essentiel des données transitant par les réseaux jusqu'au développement du web et du protocole http.)»

³ Dictionnaire juridique de Serge Braudo :

<https://www.dictionnaire-juridique.com/definition/ntic-nouvelles-technologies-de-l-information-et-de-la-communication.php>. Consulté le 02 août 2022

Ilmend n usegzawal internaute, yessegza-d titiknulujiyin timaynutin n yisali d teywalt akka: «*Irem-a yemmal-d akk allalen atraren i yessishilen taywalt akked umbaddal n yisallen, akka am tsenselkimt ney internet.* »*¹

Titiknulujiyin timaynutin n yisali d teywalt tessawed tallit-nsent yer timlilit n tsenselkimt, tagaywalt akked aslizran. Llant-d i tezrawt, abeddel akked umbaddel n yisallen ladya inefkan umđinen.²

1.3 Titiknulujiyin n yisali d teywalt deg uselmed (TICE)

Titiknulujiyin timaynutin n yisali d teywalt ttemhazent almi ssawdent ad kecmnt deg tayult n uselmed anda ibeddel usemmi-nsent yuçal TICE. Yettili-d yes-sent usiwed n tmussniwin akked tnezzarirt ama deg tneyrit gar yinelmaden d uselmad ney gar yinelmaden ugar-asen, ama deg berra n tneyrit. Ihi atas n tbadutin i d-yellan fell-aset, gar-aset:

Ilmend n GHARRICH Kawther deg tezrawt-ines, tesbadu-d TICE akka: «*Tanselfast TICE yemmal-d titiknulujiyin n yisali d teywalt i uselmed. Tejmee-d akk allalen umđinen i yettusqedcen deg tsensegmit deg ukatar asegni akked uselmed. D asekcem n titiknulujiyin tatararin deg uselmed.* »*³

Ilmend n MAKHLOUFI Assia deg temsirt-ines, tesbadu-d TICE akka: « *TICE tessegrew-d tagruma n wallalen yettusqedcen i ufares, aslad, ambaddal, asismel, anadi akked tyuri n warraten umđinen i uselmed d ulmad.* »*⁴

Iwakken ad nessekcem titiknulujiyin timaynutin yer uselmed, yessefk ad tent-nessemres deg umkan amezwaru, dayen nezmer ad d-nemmeslay yef useqdec ney usemres n wallalen umđinen ney allalen n TICE deg usatal asensegman i umezlu n tsuddsin n ulmad.⁵

« Allalen-a akked yimezla-a ggten atas, llan segmi d-nulfan wallalen isenselkimanen rnu ttemhazen war aħbas ladya segmi d-tettedeq internet (ADSL), aselkim amuddim,

*« Ce terme désigne tous les outils modernes qui facilitent la communication et l'échange d'informations, comme l'informatique ou Internet.»

¹ <https://www.linternaute.fr/dictionnaire/fr/definition/ntic/> . Consulté le 02 août 2022.

² <https://www.amba.fr/definition-ntic-ref00653.html> . Consulté le 02 août 2022.

*«L'acronyme TICE signifie la technologie de l'information et de la communication pour l'enseignement. Elles recouvrent tous outils numériques qui sont utilisés à des fins pédagogiques dans le cadre de l'éducation et de l'enseignement. Il s'agit d'inclure des technologies modernes dans l'enseignement.»

³ GHARRICH Kawther, 2018/2019, «*L'impact du choix de l'outil technologique sur la motivation des apprenants en classe de FLE (cas des apprenants en 5^{ème} AP)*», Master, tasdawit n Msetyanem, asb 21.

*« Les TICE regroupent un ensemble d'outils conçus et utilisés pour produire, traiter, entreposer, échanger, classer, retrouver et lire des documents numériques à des fins d'enseignement et d'apprentissage.»

⁴ MAKHLOUFI Assia, TICE, TICE, asb1.

⁵ <https://www.tice-education.fr/tous-les-articles-er-ressources/articles-informatiques/719-les-tices-cest-quoi> . Consulté le 05 septembre 2022.

taggara-a segmi d-wwđent tfelwiyyin tinezzariyyin, tallunt tumđint n uxeddim (ENT), inarayan n lebēed, asawal akked tsenselkimt deg usigna.

Aṭas n wallalen akked yimezla i itezzin yef titiknulujiiyyin n yisali d teywalt i uselmed, gar-asen: iseyzanen, tiyeryar n ulmad s lebēed, tallunin tumđinin n uxeddim (ENT), iḡedwan inmettiyyin, idlisfusen umđinen, uraren n ulmad...

Titiknulujiiyyin n yisali d teywalt i uselmed yur-s iswi i yellan d asnerni n usemres asensegman n titiknulujiiyyin n yisali d teywalt, dayen iwakken ad d-jemēent imdanen akken ad zzin yef usegmi umđin. »¹

«Titiknulujiiyyin-a d aferdis agejdan deg tudert tayurbizt, tamuylia mačči d taberranit acku amađal n teywalt d wadaf yer yisali yedda d umhaz ameqqran, anect-a yekcem deg yal tayult n uxeddim akked yinelmaden, akken yebyu yili wahil n usiley yessefk fell-asen ad mhazen deg tmetti anda tussna tettunehsab d aferdis agejdan deg tnumi n ubeddel i ittilin. »²

2. Anekcum n TICE deg uselmed

TICE akken i d-nenna yakan ttemhazen almi kecmment tayulin yemxalafen, ula d tin n uselmed.

Anekcum-nsent ney asidef-nsent yewwi-d abeddel deg wayen yerzan tayara n wasnasen iqburen n uselmed. Allalen-a rennun-d ugar anermis ney tanezzarirt gar yiselmaden d yinelmaden.³

Aselmed yebda-d s wallal n uselkim deg yiseggasen n 80 yer da, negza d akken assayen gar tiknulujiiyyin d tsensegmiyyin yella-d wawal s waṭas fell-asant. Yettban-d lğehd n tiknulujit n usegmi seg yiseyzanen n ulmad yer tyeryert n ulmad elearning s uzgar yef uđebsi anezzarayan (CD ROM interactif), aya yeslal-d aṭas n talyiwin n uselmed unnim.⁴

3. Tixuṭfert n TICE deg uselmed

«S umhaz n wakud, tatiknulujit tlul-d am uferdis agejdan deg tayult n uselmed, tesa tamlilt meqqren deg tudert n yinelmaden akked yiselmaden. Iwakken iselmaden ad fken

¹ <https://www.tice-education.fr/tous-les-articles-er-ressources/articles-informatiques/719-les-tices-cest-quoi> . Consulté le 05 septembre 2022.

² HERBIL Fateh, HERRAD Chaabane, 2016/1017, bdr.ya, asb 28.

³ HERBIL Fateh, HERRAD Chaabane, 2016/2017, bdr.ya, asb 28-29

⁴ Marcel LEBRUN (UCL, Louvain-la-Neuve, Belgique), 2011, Revue Sticf.org « *Impacts des TIC sur la qualité des apprentissages des étudiants et le développement professionnel des enseignants : vers une approche systémique* ». Volume 18, asb 01.

tamussni yelhan i yinelmaden ilaq ad skecmen iman-nsen deg tiknulujit maca uqbel aselmad yella yettuneħsab d aselmad kan, ma d anelmad yettuneħsab d anernas.

S tiknulujit, anelmad yezmer ad yesnerna timussniwin-is s yiman-is maca aselmad yettuneħsab d amnir ney d imwelleh. Ihi aselmad ilaq ad yesnam i yiman-is tatiknulujit tamaynut iwakken ad yessishel almad n yinelmaden. Abeddel-agi yer titiknulujiyin yessufuy yer tegnatin timaynutin deg umadal n usegmi.

Ass-a tatiknulujit tettəawan asegi n yinagrawen meqqren uddisen i yettwalemsen i uselħu yelhan n tmetti.

Llan kra n yiferdisen ara ay-yeğğen ad negzu ugar tixuțtert n TICE deg uselmed, gar-asen: anelmad d asegbar n ulmad-is, tazmareft n tmussni, timegleyt d uzzewzel, tamussni bihenfi n yigemmad, almad s shala, tasensegmit takemmalit. »¹

4. Uguren n TICE deg uselmed

Gas akken TICE tesa tixuțtert meqqren deg uselmed ama yer yinelmaden ama yer yiselmaden, maca tesa uguren i yettağğan tikwal aselmed ur yettili ara akken iwata. Gar wuguren-a:

- « Slalayan-d i wid yesseqdacen aselkim tanumi n useqdec n yiselkimen iwakken ad xedmen iluyma dayan i usluymu n yidrisen...
- Allalen-a ylayit, dayan ara yeğğen inelmaden ney iselmaden ur sawaden ara ad ten-seun.
- Aseqdec n wallalen-a ilaq-as atas n wakud syur inelmaden d yiselmaden acku yessefk yef yineggura-ya ad issinen ad sqedcen ugar tarrayin timaynutin n uselmed d ulmad.
- Iseyzanen zemren ad ilin weeren.
- Tatiknulujit tettnerni war aħbas, yessefk yef yinelmaden d yiselmaden ad nnamen abeddel i d-yettilin.

Ma yella-d kra n wugur deg wallal, yessefk ad tili tifat s lemyawla. »²

¹ <http://djimytonaime28.blogspot.com/2017/05/importance-des-tice.html> . Consulté le 05 septembre 2022.

² MAKHLOUFI Assia, bdr.ya, asb 2.

Taggrayt

TICE sɛant tamlilt meqqren deg uselmed, tetteawan anelmad akked uselmad deg uselmed. Deg uħric-a nwala allalen atraren anda i d-nesbadu kra n tmiđranin i itezzin fell-
asen, nemmeslay-d yef unekcum n TICE yer uselmed, syin tixuṭṭert-nsent deg uselmed, yer
taggara nekfa-d s wuguren i s-d-gellunt seg useqdec-nsent deg uselmed.

S wakka, nekfa aħric n tezri, deg wayen i d-iteddun ad nekcem yer uħric wis sin
yerzan tasnarrayt deg-s ad nemmeslay yef tarrayt i neđfer i ugmar n yinefkan.

Ahric wis sin

Tasnarrayt

Tazwert

Tasnarrayt tesa azal meqqren deg usewjed ney deg useddu n kra n leqdic ney kra n umahil. Terza tarrayt ara yeđfer umnadi akken ad d-yegmer inefkan, tarrayt n tesleđt n yinefkan i d-yegmer akked yiferdisen-nniđen.

Ihi deg uħric-a n tesnarrayt, ad d-nessissen kra n yiferdisen yeqqnen ħur-s: Afran d usissen n unnar, tarrayt n ugmar n yinefkan akked tarrayt n tesleđt-nsen.

1. Afran d usissen n unnar

Akken ad d-nerr yeđ useqsi agejdan n tezrawt-a i d-yettmeslayen yeđ wallalen atraren deg uselmed, nga tasastant deg uyerbaz alemmas aswir wis sin i d-yezgan deg temnađt n Bni Mansur, tayiwant n Bujlil.

Nefren ayerbaz-a acku aselmad i yesselmaden dinna yesea tirit deg uselmed, dayen yesseqđac allalen atraren deg uselmed-ines..

2. Tarrayt n ugmar n yinefkan

Gtent tarrayin n ugmar n yinefkan i yesseqđac umnadi deg leqdic-is, gar-aset: tannayt, adiweni, imseqsi, irim... Deg tezrawt-a nessemres irim. Irim «*D yiwet n tarrayt gar tarrayin n ugmar n yinefkan, «d tagruma n yisteqsiyen ama s tira ama s timawit yettnadin aselken n tmussiwin d tzemmar*»¹. Nesseqđac-itt iwakken ad nexdem tirit, yes-s ara naweđ ad d-negmer inefkan.

3. Asissen n yirimen**3.1 Asissen n yirim amezwaru: timesliwt n tmacahut «Agellid d yiđulan-is» i yellan s timawit**

Deg yirim-a amezwaru, newwi tamacahut n «agellid d yiđulan-is» i yinelmaden n uswir wis sin ayerbaz alemmas. Uqbel ad nebdu, nessegza-yasen-d amek ara tili termudt; nenna-yasen ad awen-d nales tamacahut syin akkin ad awen-d-nefk isteqsiyen ad d-terrem fell-asen, maca ilaq tasusmi akken ad d-tesmeħsem akken ma tellam, ad tegzum tamacahut.

*«Ensemble de questions, à l'écrit ou à l'oral, permettant de vérifier des connaissances ou des compétences.»

¹ <https://langue-française.tv5monde.com/decouvrir/dictionnaire/t/test>, consulté le 17 avril 2020.

Mi nekfa asegi n termudt needda yer usnas, yiwet deg-ntey tules-d tamacahut n«agellid d yiđulan-is», imi tekfa nufa d akken llan kra n wawalen ur ten-gzin ara nessegza-ten-id, syin akkin tefka-yasen-d isteqsiiyen-a:

1-D acu yeğgan agellid ad d-yessegregew iđulan-is?

2-D acu yedleb ugellid seg yiđulan-is as-t-id-awin?

3-D acu iwala urgaz-nni yer uftis n yilel?

4-Acimi iruħ urgaz-nni yer umyar azemni?

5-D acu i as-yenna umyar azemni ad t-yexdem?

6-D acu i as-yedran i urgaz-nni mi yewweđ yer yilel wis sebaa?

7-Anwa i d-yufa urgaz yef cceť mi d-iwella s tteffaħ-nni?

8-D acu yemsefham d yislifen-is akken ad asen-yefk tteffaħ ad t-awin i ugellid?

9-Amek yessawed bu tidett ad iqennee agellid d akken d netta i d-yewwin tteffaħ-nni?

Ihi yal mi ara d-rren yinelmaden yef yal aseqsi, tayed ad tent-taru rnu ad taru tamawin yellan deg uzmam.

S yirim-a nra ad nzer ma ssawden yinelmaden ad d-rren tiririyin iwatan yef yisteqsiiyin-a.

3.2 Asissen n yirim wis sin: tamacahut n «Agellid d yiđulan-is» s useqdec n wallalen atraren (aselkim d datashow)

Irim-a wis sin yella-d s tbiđyut s useqdec n uselkim d datashow. Nnewwi tamacahut-nni yakan n « ugellid d yiđulan-is» i yinelmaden n uyerbaz-nni yakan n uswir wis sin maca deg tneyrit-nniđen. Uqbel ad nebdu nessegza-d i yinelmaden tarmudt, d akken newwi-asen-d tamacahut ara yilin s uselkim d datashow yessefk ad defren tabiđyut iwakken ad rren tamawt akken iwata yer tugniwin akked ssut.

Deg tazwara, deg wayen yerzan aseddu n yirim, nenna-yasen yessefk ad tili tsusmi iwakken ad gzun tamacahut akken iwata. Syin akkin nenna-yasen mi tewweđ tmacahut-a yer taggara-s ad ilin isteqsiiyen iyef ara d-terrem.

Mi nekfa asegi n termudt i yinelmaden, needda yer usnas. Yiwet deg-ntey tessedda-d tamacahut i tikkelt tamezwarut, aya iwakken inelmaden ad rren lbal-nsen yer tmacahut rnu ad

seun timegleyt. Eawden slan-as i tikkelt tis snat almi d taggara-s, syin akkin tefka-yasen-d isteqsiiyen-nni yakan i yellan deg yirim amezwaru akken ad d-rren fell-asen. Ma d tayed ad taru akk tiririyin n yinelmaden deg uzamam akked tamawin i d-yellan.

S yirim-a nra ad nzer ma ssawden yinelmaden ad d-rren tiririyin iwatan n yisteqsiiyin-a imi d-tella termudt s tawil n tbiyut.

4. Asissen n tsalet

Deg tezrawt-a, nga sin n yirimen i d-yellan s tmacahut n «Agellid d yiḍulan-is».

Tamacahut-a tettezzi yef yiwen n ugellid yesean sebɛa n yessi-s. Yal yiwet s uxşam-is. Netta yuḍen, d lawan ad yerr yiwen ger yiḍulan-is deg umkan-is maca ur yezri ara anwa i yuklalen amkan-is. Yiwen wass, ijmeɛ-d akk iḍulan-is, yeḍleb deg-sen ad as-d-awin ddwa ara t-yessehlun i yellan d tteffaḥ izegren i sebɛa n yillen. Kkren yiḍulan-is i sebɛa, tḥfen abrid, mi wwden ur ufin ara amek ad zegren i yillen-nni. Yiwen gar-asen yerza yer uftis n yillel yettmuqqul ayen yellan, yetteassa dinna.

Yiwet n tikkelt yendekwal-d, yessaki-t-id ssut n yiferrawen, imuqqel yufa d igider annect-ila-t. Yerza yer yiwen umyar azemni yules-as ayen yellan. Yenna-yas ahat d tamatart i iyi-d-yuzen bab n yigenwan, yerra-yas umyar-nni yenna-yas : “Tfehmed kullec” yerna yenna-yas yessefk ad yezlu azger aberqac ad d-yekkes deg-s sebɛa n tecriḥin yal mi ara t-yezger yigider nni i yillel ad as-yefk yiwet n tecriḥt. Ihi argaz-nni yexdem akken almi yewwed yer yilel wis sebɛa teyli-as tecriḥt-nni, iɛedda yegzem-d tacriḥt seg tqesbuḍt-is yefka-yas-tt i yigider. Igider ifaq, yennna-yas: ”merriyet, lukan mačči d lemɛahda i ak-yefkiy, ad ak-deggrey ger yigenwan”. Dya yessawed-it almi d ilel wis sebɛa. argaz-nni yewwi-d tteffaḥ-nni yuyal-d. Mi d-yewwed yufa-d islifen-is ttrajun-t iwakken ad asen-yefk deg tteffaḥ-nni. Netta icred-asen, ad as-d-fken tifednin-nsen timecṭah iwakken ad asen-yefk tteffaḥ-nni. Islifen-is qeblen aya ruḥen d tazla yer ugellid. Maca iɛewweq anwa ara yerr d agellid deg-sen. Yettxemmim d acu d irim-nniḍen ara sen-yefk. Yewwed-d urgaz-nni yenna-yas : “ D nek i d-yewwin tteffaḥ”. Islifen-is nekkren-t akk. Argaz-nni yewwet yer uqrab-is yeddem-d tifednin n yislifen-is, yenna-yas i ugellid : “inni-yasen ad d-seknen tifednin-nsen timecṭah”. Agellid yeḍleb aya seg yiḍulan-is i setta. S wakka, argaz-nni bu tidett yuyal d agellid.

Deg yirim wis sin, neseedda-yasen-d tamacahut-a s ttawil aslizran ideg nessemres “datashow” .

5. Tarrayt n tasleđt n yinefkan

Deg tarrayt-a, nga tasleđt i sin n yirimen i nexdem deg tneyrit i yinelmaden.

Tasleđt terza tiriryin n yinelmaden yef yiseqsiyen i yasen-nefka yef tmacahut. Iswi-is ad nzer ma ssawđen yinelmaden ad d-rren yef yisteqsiyen-a rnu ad nzer ma ttnernint tmusniwin d tzemmar n tegzi s timawit ugar s useqdec n wallalen atraren. Ihi tasleđt n yirimen ad tili akka:

- **Irim amezwaru**

Nura akk tiriyyin i d-fkan yinelmaden yef yiseqsiyen. Yal aseqsi nesddukel-d tiriryin-is. Syin akkin nexdem tasleđt i triryin-a. Nemmuqel amđan n tiriyyin iwatan d tid ur nwata ara. Syin newwet ad d-nessegzi ayen gzan d wayen ur gzin akken ad d-nessukkes timental n waya.....

Mi nekfa tasleđt-a, nessegza-d akk igemmađ iyer nessawed seg triryin n yinelmaden n yal asteqsi.

Yer taggara, nekfa-d s tsemliit i d-ijemeen akk ayen iyer nessawed deg yirim amezwaru i d-yellan s timawit.

- **Irim wis sin**

Irim-a yella-d s wallalen atraren, tasleđt-ines tga am tasleđt n yirim amezwaru acku tasleđt terza tiriryin n yinelmaden.

Mi nekfa tasleđt n yirimen-a, needda yer userwes gar-asen akken ad nzer ma s timawit ney s wallalen atraren i ssawđen ad d-fken tiriyyin iwatan rnu ad nzer s wanta tarrayt i yufan tilelli deg ulmad-n sen ney anta tarrayt i iwulmen akken ad tesnerni tizemmar akked tmusniwin n yinelmaden.

Rnu ad d-nerr yef ugnu n tezrawt.

Taggrayt

Ter taggara n uħric-a i yellan d lsas n tezrawt, newwi-d awal yef tfakust ney tarrayt i neđfer i ugmar n yinefkan, d tarrayt i neđfer i tesleđt n yinefkan i d-negmer iwakken ad nwali ma nessawed ad d-nerr yef usteqsi-nney agejdan, dayen ara nwali deg yixef n tesleđt i d-iteddun.

Taggrayt n yixef 1

Deg yixef-a amezwaru, llan deg-s sin yiħricen. Aħric amezwaru yerza tizri, deg-s nemmeslay-d yef wallalen atraren anda i d-nesbadu kra n tmiđranin i itezzin fell-asen. Nemmeslay-d dayen yef unekcum n TICE yer uselmed, tixuṭṭert-is deg uselmed akked wuguren-is deg uselmed.

Aħric wis sin d tasnarrayt, nemmeslay-d yef ufran d usissen n unnar, tarrayt n ugmar n yinefkan, dayen nessasen-d irimen i nga deg tneyriyin akked tsalelt i nesseqdec, yer taggara nemmeslay-d yef tarrayt n tesleđt i nga i yirimen.

Ixef wis sin :

Tasleḡt n yinefkan

Tazwert n yixef

Deg yixef-a nga tasleđt i yinefkan n yirimen i nga i yinelmaden deg snat n tneyriyin n uyerbaz alemmas aswir wis sin.

Ixef-a yebđa yef sin yiħricin.

Aħric amezwaru yerza tasleđt n yirimen; irim amezwaru s tmesliwt n tamacahut i d-yellan s timawit. Wis sin yella-d s tbiđyut, nesseqdec allalen atraren: aselkim akked datashow.

Ahric amezwaru
Tasleđt n yirimen

Tazwert

Deg uħric-a, nexdem tasleđt i tririyin n yinelmaden yef yisteqsiyen i yellan deg yirimen.

Di tazwara, nura-d yal aseqsi, iswi-ines akked tririyin n yinelmaden. Yes-sent i nessawed nefka-d igemmađ yef yal aseqsi, syin akkin needda yer usegzi n yigemmađ-a.

Ter taggara, nekfa-d yal irim s tsemliłt i d-ijemeen akk ayen iyer nessawed deg-sen.

1. Tasleđt n yirim amezwaru

Deg yirim-a amezwaru, newwi tamacahut «agellid d yiđulan-is» i yinelmaden n uyerbaz alemmas aswir wis sin. Nules-asen-tt-id s timawit, syin akkin nefka-yasen isteqsiyen iyef ara d-rren.

Deg yirim-a, negmer-d tiririyin n yinelmaden i d-yellan yef yisteqsiyen akken ad neg tasleđt fell-asant, llan kra n yisteqsiyen anagar ukkuz n yinelmaden i d-yerran fell-asen. Yal asteqsi nefka-yas iswi-ines maca seg usteqsi wis sin almi d wis tam icrek-iten yiwen n yiswi. Syin akkin nefka-d igemmađ yef tririyin n yal aseqsi nmu nessegza-ten-id.

Aseqsi 1: Dacu yeğgan agellid ad d-yessegrew iđulan-is?

Nefka-d asteqsi-a iwakken inelmaden ad gzun ugur yellan deg tmacahut.

Tiririyin n yinelmaden i d-yellan fell-as:

An1: Laxađer yehlek.

An2: Acku yuđen ugellid-nni, yebya ad d-yessebbedd yiwen deg yiđulan-is.

An3: Ijmeē-iten-id acku yuđen, akken ad yextir yiwen seg yiđulan-is ad yuyal d agellid.

An4: Yuđen yezra belli d lawan, ijmeē-d iđulan-is deg 7 iwakken ad ten-ijerreb ad iđer aniwa ara yuyalen deg umkan-is.

Seg tririyin-a nufa-d anagar ukkuz n yinelmaden i d-yerran yef usteqsi, tririyin-a watant maca anelmad wis sin, wis krađ d wis ukkuz segzan-d ugar, tiririt-nsen temmed, ma d anelmad amezwaru tiririt-ines ur temmid ara maca yegza tamacahut

Inelmaden-nniđen ur ssawđen ara ad d-rren yef usteqsi-a amezwaru acku tamezwarut uggaden acku aselmad mačči d aselmad-nsen n yal ass, tis snat kukran ad tili tririt-nsen ur teyti ara, rnu ur gzin ara tamacahut.

Aseqsi2: Dacu yeđleb ugellid seg yiđulan-is ad as-t-id-awin?

Nefka-yasen aseqsi-agi akken inelmaden ad gzun amsedfer n tigawin i yettawin yer ferru n wugur.

Llant-d yef useqsi-a krađ n tririyin, d ti:

An1: Yeđleb ad as-d-awin tteffaħ n 7 yillen.

An2: Agellid-nni yeđleb i yiđulan-is ad as-d-awin lħađa ad t-yesseħlun.

An3: Yeđleb deg-sen ayen ara t-yesseħlun d tteffaħ i izeggren 7 n yillen.

Seg tririyin-a nwala anagar krađ n yinelmaden i d-yefkan tiririt, tamezwarut akked tis krađ watant, mmdent acku gzan asteqsi rnan tamacahut, ma d tis snat twata maca ur temmid ara acku anelmad ur yecfi ara ugar i tmacahut.

Deg useqsi-agi wis sin, yebda yettekkes-asen ukukru-nni akked tugdi-nni acku d inelmaden-nniđen i d-yerran fell-as mačči d wid i d-yerran yef useqsi amezwaru.

Aseqsi3: Dacu iwala urgaz-nni yer uftis n yilel?

Iswi n useqsi-a am yiswi n useqsi uqbel-is: inelmaden ad gzun amsedfer n tigawin i yettawin yer ferru n wugur.

Tiririyin n yinelmaden d ti:

An1: Iwala igider annect-ila-t.

An2: Iwala igider annect-ila-t, d netta ara t-izeggren i yillen-nni.

Deg useqsi-a, atas n yinelmaden i yebyan ad d-fken tiririt maca anagar sin i d-nesker acku nebya ad nefk tagnit i wid ur d-yekkiren ara yakan. Fkan-d tiririyin iwatan tummidin acku gzan aseqsi akked tmacahut akken iwata,

Aseqsi4: Acimi iruħ urgaz-nni yer umyar azemni?

Yella-d useqsi-a akken inelmaden ad gzun amsedfer n tigawin i yettawin yer ferru n wugur, akken ad walin tigawt i d-iteddun tin ieeddan.

Ha-ten-ta tririyin n yinelmaden i d-yellan fell-as:

An1: Iwakken ad t-ieiwen.

An2: Iwakken ad as-d-yefk tifat akken ad iqennee igider ad t-yessezger i 7 n yillen.

An3: Iwakken ad t-iwelleh ad as-d-yefk tikti dachu ara yexdem iwakken ad t-yezger yigider-nni i 7 n yillen.

Tiririyin-a i d-fkan krađ n yinelmaden watant acku gzan tamacahut, maca sin segzan-d ugar, fkan-d isallen ugar, ma d wayeđ yefka-d tiririt ur temmid ara, ur d-yessezga ara ugar.

Inelmaden-nniđen ur ssawđen ara ad d-rren yef usteqsi-a acku ur d-rrin ara lbal-nsen yer tmacahut, ur tbiēen ara aselmad imi i tt-id-yettales.

Aseqsi5: Dacu i as-yenna umyar azemni ad t-yexdem?

Aseqsi-a yella-d iwakken inelmaden ad gzun amsedfer n tigawin i yettawin yer ferru n wugur.

Llant-d fell-as snat n tririyin d ti:

An1: Yenna-yas zlu azger aberqac, kkes-d deg-s 7 n tecriħin.

An2: Yenna-yas zlu azger aberqac, kkes-d 7 n tecriħin, yal mi ara k-yezger i yilel efk-as yiwet.

Nwala seg tririyin-a sin yinelmaden i d-yerran yef useqsi-a, watant i snat acku rran-d lbal-nsen ugar i tmacahut, gzan-tt rnan gzan aseqsi akken iwata maca yiwen tiririt-is ur temmid ara, ma d wayeđ temmed, yessegza-d ugar.

Deg usteqsi-a nefka tagnit i yinelmaden akken ad d-rren fell-as alma ufan-d tiririt iwatan, nesker-d anelmad amezwaru nufa tiririt ur temmiđ ara, nesker-d wis sin yefka-d tiririt tummid, yef waya anagar sin n yinelmaden i d-yefkan tiririt.

Aseqsi6: Dacu i as-yedran i urgaz-nni mi yewweđ yer yilel wis ssebea?

Nefren-d aseqsi-a akken inelmaden ad gzun amsedfer n tigawin i yettawin yer ferru n wugur.

Ha-ten-ta tririyin n yinelmaden:

An1: Ad as-yefk tacriħt teyli-as yekkes-d tacriħt deg tqesbuđt-is.

An2: Imi d-yewweđ yer yilel wis 6 iteddu ad t-yezger i wis 7, teyli-as tecriħt, yekkes-d tacriħt deg tqesbuđt-is yefka-yas-tt i yigider-nni.

Sin n yinelmaden i d-yerran yef useqsi-a, tiririyin-nsen watant i snat acku cfan rnan gzan ugar tamacahut macca yiwen ur yessawed ara ad d-yefk tiririt temmed dayen ad yebnu tafyirt, ma d wayeđ yefka-d tiririt temmed yessegza-d ugar.

Nefka tagnit anagar i sin n yinelmaden ad d-fken tiririt acku wiyad ur d-rrin ara lbal-nsen i tmacahut, wa yettmeslay d wayeđ, wa yettaru deg uzam-is, tenqes tsusmi-nni yellan akken di tazwara.

Aseqsi7: Anwa i d-yufa urgaz yef cceđ mi d-iwella s tteffaħ-nni?

Nefka-d aseqsi-a iwakken inelmaden ad gzun amseđfer n tigawin i yettawin yer ferru n wugur. Ad gzun tigawt i d-yettabaen tiyađ.

Tiririyin n yinelmaden yef useqsi-a:

An1: Yufa-d 6 n yislifen-is yef cceđ.

Yiwet n tririt i d-yellan yef useqsi-a, twata yerna temmed acku yegza tamacahut akken iwata yerna yecfa fell-as.

Ma d wiyad ur asen-nefki ara tagnit ad d-rren yef usteqsi acku drus n lweqt i d-yeggran.

Aseqsi8: Dacu yemsefham d yislifen-is akken ad asen-yefk tteffaħ ad t-awin i ugellid?

Aseqsi-a nefka-yasen-t-id iwakken inelmaden ad gzun amseđfer n tigawin i yettawin yer ferru n wugur.

Ha-ten-ta tririyin i d-yellan fell-as:

An1: Yenna-yasen ad d-kksen tifednin-nwen, wida qeblen.

An2: Msefhamen ad as-d-fken tifednin timecđah netta ad asen-yefk tteffaħ-nni.

Ađas n tririyin i d-yellan yef useqsi-a maca nura-d anagar snat i iwatan maca mxalafent deg talya.

Anagar snat n tririyin i d-nura acku nufa-d tiyađ ttemcabint akk yerna watant.

Asteqsi9: Amek yessaweđ bu tidett ad iqennes agellid d akken d netta i d-yewwin tteffah-nni?

Aseqsi-a yella-d iwakken inelmaden ad gzun tifat n wugur yellan deg tmacahut.

Tiririyyin n yinelmaden d ti:

An1: Yenna-yasen urgaz-nni ad d-seknen tifednin-nsen timecťah, imi yezra ugellid ulac-itent yesken-as-d urgaz-nni belli yer ħur-s i llant, yezra ugellid-nni d argaz-nni i d-yewwin tteffah-nni.

An2: Axater yekkes-asen tifednin-nsen yeffer-itent deg uqrab-is almi yewweđ yer ugellid yenna-yas belli d netta i d-yewwin tteffah, lameena ur t-yumin ara dya yesken-as-d tifednin n yisliifen-is umbeed yedleb ugellid-nni deg yiđulan-is ad as-d-seknen tifednin-nsen.

Seg tiririyyin-a nwala sin n yinelmaden i d-yerran yef useqsi, tiririyyin-a watant, mxalafent deg talya.

Seg tesleđt-a anagar sin n yinelmaden i d-yefkan tiririt, wiyad ur ssawden ara acku tamezwarut kul yiwen deg wacu i yedha, ur d-rrin ara akk lbal-nsen yer tmacahut, tis snat d lweqt i yekfan.

Tasemlilt

Deg yirim-a amezwaru, inelmaden di tazwara, smeħssen-d akk i tmacahut, llan kra gzan-tt yerna teejeb-asen ma d wiyad ur d-rrin ara akk lbal-nsen ħur-s. Ma d ayen yerzan isteqsiiyyin, inelmaden yegzan tamacahut ssawden ad d-fken tiririyyin iwatan, llant tid d tummidin, llant tid ur yemmiden ara. Ma d inelmaden-nniđen nufa-d ur ssawden ara ad d-fken tiririyyin acku di tazwara nufa-d yiwen n unelmad d aerabawal, ur yettmeslay, ur ifehhem tamaziyt, syin akkin llan wid ur yegzin ara akk tamacahut, dayen llan wid kukran ad d-fken tiririt ad tili ur twata ara, yef waya ur ssawden ad d-fken tiririyyin.

2. Tasleđt n yirim wis sin

Deg yirim-a wis sin newwi tamacahut-nni yakan n «agellid d yiđulan-is» i yinelmaden n uyerbaz alemmas aswir wis sin maca deg tneyrit-nniđen. Tikkelt-a tamachut-a tella-d s ttawil n tbiđyut s useqdec n uselkim d datashow, neseedda-yasen-tt-id snat n tikkal syin akkin nefka-yasen-d iseqsiiyyin.

Tasleđt n yirim-a am tesleđt n yirim amezwaru, negmer-d tiririyin n yinelmaden i d-yellan ƣef yisteqsiyen, llan kra n yisteqsiyen wđen almi d semmus n yinelmaden i d-yerran fell-asen. Yal asteqsi nefka-yas iswi-ines i yellan am yiswan n yirim amezwaru, maca seg usteqsi wis sin almi d wis tam seān yiwen n yiswi. Syin akkin nefka-d igemmađ ƣef tririyin n yal aseqsi rnu nessegza-ten-id.

Asteqsi1: Dacu yeđđan agellid ad d-yessegrew iđulan-is?

Nefka-d asteqsi-a iwakken inelmaden ad gzun ugur yellan deg tmacahut.

Ha-ten-ta tririyin i d-yellan fell-as:

An1: Acku yezra ad yemmet.

An2: Agellid yuđen.

An3: Iħus ad yemmet yebya ad yerr yiwen n yiđulan-is deg umkan-is.

An4: Iħus iman-is yesea ađđan ilaq ad yexdem yiwen deg umtiq-is

Seg tririyin-a nufa-d d akken ukkuz n yinelmaden i d-yerran ƣef useqsi-a, tiririyin-nsen watant maca anelmad amezwaru d wis sin xussent deg yisalen mačči d tummidin, ma d anelmad wis krađ d wis ukkuz tiririyin-nsen d tummidin, segzan-d ugar.

Anagar ukkuz n tririyin i d-yellan ƣef usteqsi-a acku d wigi i d-yerran lbal-nsen yer tmacahut imi tebda, ma d wiyađ kukran acku di tazwara aselmad d amaynut, tis snat d tikkelt tamezwarut ara xedmen tamsirt s wallalen-a.

Aseqsi2: Dacu yeđleb ugellid seg yiđulan-is ad as-t-id-awin?

Nefka-yasen aseqsi-agi akken inelmaden ad gzun amsedfer n tigawin i yettawin yer ferru n wugur.

Tiririyin n yinelmaden d ti:

An1: Icređ i yiđulan-is tteffaħ deg lebħar.

An2: Yenna-yas ad d-awin tteffaħ.

An3: Yeđleb i yiđulan-is ad d-awin tteffaħ izeggren 7 n yillen.

Seg tririyin-a n yinelmaden nwala fkan-d tiririyin yimxalafen, tamezwarut ur twata ara, ma d tiyađ watant maca tis snat txus deg yisali ur temmid ara.

Seg tesleđt-a nufa-d krađ n yinelmaden i d-yefkan tiririt, acku rran-d lwelha-nsen yer tmacahut rnu cfan-as ugar n wiyad.

Aseqsi3: Dacu iwala urgaz-nni yer uftis n yilel?

Iswi n useqsi-a am yiswi n useqsi uqbel-is: inelmaden ad gzun amseđfer n tigawin i yettawin yer ferru n wugur.

Tiririyin i d-rran yinelmaden:

An1: Iwala igider.

An2: Argaz-nni yezra igider deg lebħar.

Sin yinelmaden i d-yerran yef useqsi-a, tiririyin-nsen watant i snat, acku gzan tamacahut akken iwata.

Nefka tagnit i sin n yinelmaden iwakken ad d-ffken tiririt acku nwala tiririyin-nsen watant, ur yelzim ara ad neffk tagnit i wiyad.

Aseqsi4: Acimi iruħ urgaz-nni yer umyar azemni?

Yella-d useqsi-a akken inelmaden ad gzun amseđfer n tigawin i yettawin yer ferru n wugur, akken ad walin tigawt i d-yettabaen tin ieeddan.

Ha-ten-ta tririyin n yinelmaden i d-yellan fell-as:

An1: Akken ad as-yini ad as-d-yefk igider.

An2: Iruħ yer umyar iwakken ad as-d-ifekk ddwa.

An3: Akken ad as-d-yessefru ayen i yurga.

An4: Akken ad as-d-yehku ayen i yurga rnu ad as-d-yefk lhel

Ukkuz n yinelmaden i d-yerran yef useqsi-a, snat n tririyin timezwura ur watant ara acku ur cfin ara ugar i tmacahut, ma d snat tineggura watant acku gzant rnan cfan fell-as.

Anagar krađ n tririyin i d-yellan acku d nutni kan i yebyan ad d-yekkren, i yebyan ad d-yefken tiririt, ma d wiyad susmen smeħsisen kan acku uggaden ad d-kkren ad tili tririt-nsen ur twata ara.

Aseqsi5: Dacu i as-yenna umyar azemni ad t-yexdem?

Aseqsi-a yella-d iwakken inelmaden ad gzun amsedfer n tigawin i yettawin yer ferru n wugur.

Llant-d fell-as ukkuz n tririyin:

An1: Inna-yas umyar-nni ad yezlu azger aberqac umbeed yeyli-yas yiwen.

An2: Inna-yas yal ma k-yezger efk-as yiwet.

An3: Yenna-yas ilaq ad tezluđ azger aberqac, kul ma ad t-yeseeddi i yiwen yilel as-yefk ad yečč tacriħt.

An4: Yenna-yas ad yezlu azger aberqac ad d-yekkes 7 n tecriħin ad as-yefk i yigider kul ma ad ieeddi i lebħar.

Seg tririyin-a nufa-d krađ n yinelmaden i d-yerran yef useqsi, anelmad amezwaru d wis sin tiririyin-n sen xussent, wis krađ twata maca txus deg yisali, ma d wis ukkuz tiririt-ines twata.

Nwala ukkuz n tririyin i d-yellan yef useqsi-a acku gzan tamacahut rnu cfan-as.

Aseqsi6: Dacu i as-yedran i urgaz-nni mi yewweđ yer yilel wis ssebxa?

Nefren-d asepsi-a akken inelmaden ad gzun amsedfer n tigawin i yettawin yer ferru n wugur.

Tiririyin n yinelmaden:

An1: Truħ-as tecriħt yer lebħar wis 7.

An2: Teyli-yas tecriħt tis 7, iewweq amek ara yexdem.

An3: Yewweđ yer yilel wis 7 teyli-yas tis 7 yekkes-d seg uksum-is.

An4: Imi yewweđ yer tecriħt tis 7 teyli-yas.

An5: Yekkes-d tacriħt deg tqesbuđt-is.

Seg tririyin-a nwala semmus n yinelmaden i d-yerran yef useqsi-a, ukkuz n tririyin watant ma d tis semmus ur teyti ara acku anelmad ur yecfi ara ugar i tigawin n tmacahut.

Anagar semmus n yinelmaden i d-yefkan tiririyin, acku gzan rnan cfan i tmacahut ugar n wiyad, rran-d lbal-n sen yur-s.

Aseqsi7: Anwa i d-yufa urgaz yef cceđ mi d-iwella s tteffah-nni?

Nefka-d aseqsi-a iwakken inelmaden ad gzun amseđfer n tigawin i yettawin yer ferru n wugur. Ad gzun tigawt i d-yettabaæen.

Tiririt n yinelmaden yef useqsi:

An1: Yufa-d yef cceđ islifen-is.

An2: yufa-d islifen i 6.

Seg tririyin-a nufa-d sin n yinelmaden i d-yerran yef useqsi, tiririyin-nsen watant akken ma llant acku gzan tamacahut.

Llant-d anagar snat n tririyin acku nefka kan tagnit i sin n yinelmaden imi amezwaru tiririt-is twata lameæa ur d-telli ara swaswa akken tella deg tmacahut yef waya nefka tagnit i unelmad wis sin anda i d-yefka tiririt takemmalit.

Aseqsi8: Dacu yemsefham d yislifen-is akken ad asen-yefk tteffah ad t-awin i ugellid?

Aseqsi-a nefka-yasen-t-id iwakken inelmaden ad gzun amseđfer n tigawin i yettawin yer ferru n wugur.

Ha-ten-ta tririyin n yinelmaden i d-yellan fell-as:

An1: Icređ-d yef yislifen-is ad gezmen tifednin timecđah.

An2: Yenna-yasen ay-d-fkem tifednin.

An3: Yeđleb deg-sen ad gezmen tifednin-nsen timecđah, ma d nek awen-d-fkey tteffah.

Krađ n yinelmaden i d-yerran yef useqsi, tiririyin-nsen watant, acku gzan tamacahut rnan đefren-tt almi taggara-s.

Nefka tagnit i yinelmaden ad d-rren yef usteqsi alma newweđ yer tin iwatan yerna d tummid. Nesker-d sin n yinelmaden nufa tiririt-nsen ur temmid ara , needda yer wis krađ yefka-tt-id d tummid. Gef waya i d-llant krađ n tririyin yerna akud drus i d-yeqqimen.

Aseqsi9: Amek yessaweđ bu tidett ad iqenneæ agellid d akken d netta i d-yewwin tteffah-nni?

Aseqsi-a yella-d iwakken inelmaden ad gzun tifat n wugur yellan deg tmacahut.

Ha-ten-ta tririyin n yinelmaden :

An1: Yesseneet-as-d tifednin.

An2: Yusa-d yenna-yas sken-d tifeđnin.

An3: Yenna-yas i ugellid ini-asen i yislifen ak-d-seknen tifeđnin-nsen, seknen-tent-id yeffey-d belli yesea lħeq.

An4: Yesken-d i ugellid-nni tifeđnin timecħaħ n yislifen-is akken ad t-yamen belli d netta i d-yewwin tteffaħ.

An5: Iqennee-it asmi i asen-yenna sken-t-d tifeđnin-nwen timecħaħ umbeed imi ulac-itent yesken-aset belli d netta i tent-yesean, yenna-yas belli d netta i d-yewwin tteffaħ.

Semmus n tririyin i d-yellan yef useqsi-a, xussent anagar tis semmus i iwatan yerna d tummid, aya yuħal yer wamek gzan tamacahut akked ceffu-ines.

Anagar semmus n tririyin i d-yellan acku nefka tagnit i yinelmaden alma fkan-d tiririt iwatan tummid. Nesker-d inelmaden almi d wis semmus neħbes acku twata tiririt-is yerna ifukk wakud.

Tasemlilt

Deg yirim-a wis sin, inelmaden mi i asen-d-necceel tabidyut i tikkelt tamezwarut ur rrin ara lwelha-nsen yer ssut, qqimen ttwalin tugniwin ttun akk asmeħses i ssut. Ma d tikkelt tis snat llan kra n yinelmaden rran-d lwelha-nsen yer ssut, smeħsen-as akken iwata, llan wid it t-yegzan llan wid xaħi.

Ayen yerzan tiririyin n yinelmaden llant tid iwatan maca ur mmident ara, llant dayen tid ur nwata ara. Aya yuħal yer yinelmaden imi ur cfin ara i tmacahut-nni, yerna i tikkelt tamezwarut i xedmen tamsirt s wallalen atraren (aselkim d datashow) ur uyen ara tanumi. Ma d wiyad ur ssawden ara ad d-fken tiriyin acku di tazwara ur d-rrin lwelha-nsen yer tmacahut, yerna akken i d-nenna kukran ad tili tririt-nsen ur twata ara.

Taggrayt

Deg uħric-a amezwaru n yixef wis sin, nexdem tasleđt i yinefkan i d-negmer deg tneyriyin s useqdec n tarrayt n yirim, nebda s tesleđt n yirim amezwaru syin akkin needda yer tesleđt n yirim wis sin. Tasleđt n yirimen-a d yiwet, nura yal asteqsi s yiswi-ines akked tririyin n yinelmaden i d-yellan fell-asen, yes-sent newwed yer yigemmad, syin akkin nessegza-d igemmađ-a. Ğer taggara n yal irim nekfa-d s temlilt anda i d-nejmae akk ayen iyer nessawed.

Taggrayt n yixef

Deg yixef-a wis sin n leqdic-nney, nga deg uħric amezwaru tasleđt n yirimen i yinefkan i d-negmer i yellan d tiririyin n yinelmaden yef yisteqsiyin n tmacahut.

Nufa d akken inelmaden deg yirim amezwaru fkan-d tiririyin iwatan ama d tummidin ama mačči d tummidin. Ihi nessaweđ nufa-d igemmađ yelhan ilmend n tririyin-nsen yerna negza d akken timawit tetteawan-iten ugar deg ulmad-nsen yerna tesnernay tizemmar n tegzi s timawit yur-sen.

Ma deg yirim wis sin, nufa tiririyin n yinelmaden llant tid iwatan akked d tid ur nwata ara, swaya negza d akken aseqdec n wallalen atraren ur ieawen ara inelmaden deg ulmad-nsen maca nezmer ad d-nini d akken llan-asen-d d ugur deg ulmad-nsen. Ihi allalen-a atraren ur ssawđen ara ad d-glun s usnerni n tzemmar n tegzi s timawit yer yinelmaden.

Taggrayt tamatut

Taggrayt tamatut

Allalen atraren d tagruma n wallalen i sseqdacen yimdanen deg tudert-nsen n yal ass, deg yal tayult ula d tin n uselmed anda i d-yettili yes-sen usiwed n tmusniwin akked tnezzarirt ama daxel ney berra n tneyrit. Yef waya, nga amahil-a yerzan allalen atraren deg uselmed aswir wis sin ayerbaz alemmas.

Ilmend n usteqsi-nney agejdan i d-yeqqaren: **«Dacu s s-igellu usemres n wallalen atraren deg uselmed n tzemmar n tegzi s timawit yer yinelmaden n uswir wis sin ayerbaz alemmas? »**

Iwakken ad d-nerr yef usteqsi agejdan, nesseqdec yiwet n tarrayt n ugmar n yinefkan i yellan d irim, aya i usidet n turda-nney i yellan:

- **Allalen atraren snernayen tizemmar n tegzi s timawit yer yinelmaden, acku llan atas n ttawilat akka am tugniwin, izenziyen, tayect, timenna, i d-irennun ney i d-ikeccmen deg usegi, aya yettağğa inelmaden ad d-lemden timussniwin timaynutin yerna ad snernin amawal-nsen ugar.**

I usidet n turda-ya, nga sin n yirimen deg snat n tneyriyin n uswir wis sin ayerbaz alemmas:

Irim amezwaru deg tneyrit tamezwarut n uswir wis sin ayerbaz amezwaru, yella s tmacahut n «Agellid d yidulan-is» i yellan s timawit, aya iwakken ad nzer inelmaden ma ssawden ad d-rren yef yisteqsiyen i asen-nefka.

Irim wis sin deg tneyrit tis snat n uswir wis sin ayerbaz alemmas, yella-d s tmacahut-nni yakan n «Agellid d yidulan-is» maca tikkelt-a s ttawil n tbiyut, s useqdec n wallalen atraren (aselkim d datashow), aya iwakken dayen ad nzer inelmaden n tneyrit-a ma ssawden ad d-rren yef yisteqsiyen i asen-nefka.

Mi nga tasleđt i yinefkan i d-negmer, nessawed yer yigemmad i yellan deg yirim amezwaru lhan acku tuget n yinelmaden n tneyrit-nni ssawden ad d-rren yef yisteqsiyen i asen-nefka. Ma deg yirim wis sin xussen acku tuget n yinelmaden ur ssawden ara ad d-rren yef yisteqsiyen-nni i asen-nefka.

Ihi yer taggara n tesleđt, s yigemmad i d-yellan nufa-d d akken turda-nney:

«Allalen atraren snernayen tizemmar n tegzi s timawit yer yinelmaden, acku llan atas n ttawilat akka am tugniwin, izenziyen, tayect, timenna, i d-irennun ney i d-ikeccmen deg

Taggrayt tamatut

usegi, aya yettağğa inelmaden ad d-lemden timussniwin timaynutin yerna ad snernin amawal-nsen ugar» ur tseħħa ara, aya dayen nezra imi nga tasleđt i yinefkan i d-negmer.

Ʋer taggara n leqdic-nney, nezmer ad d-nini d akken allalen atraren Ʋas sean azal ney tixuđđert meqqren deg uselmed maca ur ssawđen ara ad snernin tizemmar n tegzi s timawit yer yinelmaden. Nessaram inelmaden i iqeddcen deg tayult n tesnalmudt n tesga n tutlayt d yidles amaziƲ ad d-awin s telqay Ʋef usentel-a akken ad t-snernin.

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Iybula

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Agzul

Agzul

Leqdic-a yewwi-d yef wallalen atraren deg uselmed, aswir wis sin, ayerbaz alemmas. Agnu n tezrawt d wa:

«Dacu s s-igellu usemres n wallalen-a deg uselmed n tzemmar n tegzi s timawit yer yinelmaden n uswir wis sin ayerbaz alemmas? »

Iwakken ad d-nerr yef turda-nney, nefka-d yiwet n turda:

- Allalen atraren sernayen tizemmar n tegzi s timawit yer yinelmaden, acku llan atas n ttawilat akka am tugniwin, izenziyen, tayect, timenna, i d-irennun ney i d-ikeccmen deg usegi, aya yettağga inelmaden ad d-lemden timussniwin timaynutin yerna ad sernin amawal-nsen ugar.

I usidet n turda-ya, nga sin n yirimen deg snat n tneyriyin, amezwaru yella s tmacahut n «Agellid d yidulan-is» i yellan s timawit, aya iwakken ad nzer inelmaden ma ssawden ad d-rren yef yisteqsiyen. Wis sin yella-d s tmacahut-nni yakan maca tikkelt-a s tbiyut s useqdec n wallalen atraren (aselkim d datashow), aya iwakken ad nzer inelmaden ma ssawden ad d-rren yef yisteqsiyen.

Mi nga tasleđt i yinefkan, nessawed yer yigemmađ i yellan deg yirim amezwaru lhan, ma deg wis sin xussen.

Ihi yer taggara n leqdic-a, nufa-d d akken turda-nney ur tsehha ara, aya yuyal yer yigemmađ iyer nessawed deg yal irim.

Awalen-tisura: allalen atraren, aselmed, asnerni, tizemmar, tigzi s timawit, inelmaden.