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EDUCATION
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GROWING GAUTENG TOGETHER

Sesotho/English

Lenaneo le Ntlafaditsweng la Mmetse la Kereiti ya R Grade R Mathematics Improvement Programme



Wekshopo ya 6 • Workshop 6
Buka ya Mosebedtsi ya Monkakarolo • Participant's Workbook

The Grade R Mathematics and Language Improvement Project is an initiative of the **Gauteng Department of Education** and its key partner, the **Gauteng Education Development Trust**.

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The Grade R Mathematics and Language Improvement Project is managed by **JET Education Services** with UCT's **Schools Development Unit** and **Wordworks** as technical partners.

The **Schools Development Unit** (SDU) at the **University of Cape Town** (UCT) is the mathematics technical partner to the Grade R Mathematics and Language Improvement Project. The SDU is a unit within UCT's School of Education that focuses on teachers' professional development in Mathematics, Science, Literacy/Language and Life Skills from Grade R to Grade 12. The SDU offers teacher qualifications and approved UCT short courses, school-based work, materials development and research to support teaching and learning in all South African contexts.

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Projeke ya Mmetse wa Kereiti ya R le Ntlafatso ya Puo ke bohato ba pele ba **Lefapha la Thuto la Gauteng (Gauteng Department of Education)** le molekane wa lona wa sehlooho, **Gauteng Education Development Trust**. Ntshetsopele le tlhahiso ya mehlodi ya thupelo le ya phaposi ya borutelo bakeng sa Projekya ya Mmetse wa Kereiti ya R le Ntlafatso ya Puo di ile tsa tswelletswa ke tshehetso ka ditjhelete ya diprojekya e fanweng ke **United States Agency for International Development** le **Zenex Foundation**.

Projeke ya Mmetse wa Kereiti ya R le Ntlafatso ya Puo e tsamaiswa ke **JET Education Services** mmoho le **Schools Development Unit** ya **UCT** le **Wordworks** jwaloka balekane ba setegeniki.

Schools Development Unit (SDU) ya **University of Cape Town (UCT)** ke molekane wa setegeniki wa mmetse bakeng sa Projekya ya Mmetse wa Kereiti ya R le Ntlafatso ya Puo. SDU ke yuniti e kahara School of Education sa UCT e tsepameng ho ntshetsopele ya porofeshene ya matitjhere ho Mmetse, Saense, Tsebo ya ho Bala le ho Ngola/Puo le Bokgoni ba Bophelo ho tloha ho Kereiti ya R ho isa ho Kereiti ya 12. SDU e fana ka mangolo a botitjhere le a dithuto tse kgutshwane tse ananetsweng tsa UCT, mosebetsi o theilweng dikolong, ntshetsopele ya disebediswa le dipuputso bakeng sa ho tshehetsa ho ruta le ho ithuta dikarolong tsohle tsa Afrika Borwa.

DITEBOHO

Diteboho tse kgethehileng ho:

- Baofisiri ba Botsamaisi ba Kharikhulamo, Botsamaisi ba Thuto ya Matitjhere le Botsamaisi ba Thuto e Kgethehileng ba Lefapha la Thuto la Gauteng, bakeng sa nyehelo ya bona ntlafatsong ya disebediswa tsa rona tsa thuto.
- Baofisiri le matitjhere a Western Cape Education Department (WCED) ka nyehelo ya bona bakeng sa ho kenngwa tshebetsong ka katleho ha Grade R Mathematics Programme (*R-Maths*) mane Western Cape pakeng tsa 2016 le 2019.
- Sehlopha se ngolang sa *R-Maths*. Basebetsi le baeletsi ba SDU.



Lenaneo le Ntlafaditsweng la Mmetse la Kereite ya R le ntlafaditswe ho tloha ho *R-Maths*, e ileng ya phatlalatswa lekgetlo la pele ka 2017 ke Schools Development Unit, University of Cape Town. Tokelo ya kgatiso ya *R-Maths* e tshwerwe ke University of Cape Town.

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Overview

Purpose

This is the sixth of twelve Grade R Mathematics Improvement Programme workshops, which form part of the Gauteng Department of Education (GDE) Grade R Mathematics and Language Improvement Project.

The purpose of this workshop is to assist teachers with the implementation of the Maths Programme in their classrooms, especially the Content Areas covered in Term 2 Weeks 8–10. Participants will reflect on their ongoing assessment of learners' progress and will document developmental concerns related to the learners that may require special interventions and support. Participants will also reflect on teaching strategies that strengthen learners' problem-solving skills.

References to the Grade R Mathematics Content Areas are taken from the *Curriculum and Assessment Policy Statement (CAPS): Grade R Mathematics (Final Draft)*, 2011, Department of Basic Education, South Africa.

Learning outcomes

- ◆ To reflect on the implementation of Term 2 Weeks 4–7
- ◆ To explore strategies to support teaching maths in Grade R
- ◆ To reflect on the Maths Programme's principles in the weekly plan
- ◆ To engage with the Maths Programme content of Term 2 Weeks 8–10 (Space and Shape (Geometry); Measurement; Numbers, Operations and Relationships)
- ◆ To apply knowledge of informal, continuous assessment to learning and teaching

Workshop content

◆ Opening and reflection	(1 hour)
◆ Session 1: Space and Shape (Geometry)	(1 hour)
TEA	
◆ Session 2: Measurement	(1 hour)
◆ Session 3: Numbers, Operations and Relationships	(1 hour)
LUNCH	
◆ Session 4: Numbers, Operations and Relationships	(45 minutes)
◆ Session 5: Term 2 Assessment	(1 hour)
◆ Closing activities	(15 minutes)

Tjhebokakaretso

Sepheo

Ena ke ya botshelela ya diwekshopo tse leshome le metso e mmedi tsa Lenaneo le Ntlafaditsweng la Mmetse la Kereiti ya R, tse etsang karolo ya Lefapha la Thuto la Gauteng (GDE) Projekte ya Mmetse wa Kereiti ya R le Ntlafatso ya Puo.

Sepheo sa wekshopo ena ke ho thusa matitjhere ho kenya tshebetsong Lenaneo la Mmetse ka diphaposing tsa bona tsa borutelo, haholoholo Dikarolo tsa Dikahare tse entsweng ho Kotara ya 2 Dibeke tsa 8–10. Bankakarolo ba tla ikgopotsa tekanyetso ya bona e tswelang pele ya kgatelopele ya baithuti mme ba tla ngola fatshe dingongoreho tsa ntshetsopele tse mabapi le baithuti tse ka hlokang bokenadipakeng le tshehetso tse ikgethileng. Bankakarolo hape ba tla ikgopotsa mawa a ho ruta a matlafatsang bokgoni ba baithuti ba ho rarolla bothata.

Dintlha tse buang ka Dikarolo tsa Dikahare tsa Mmetse wa Kereiti ya R di nkilwe ho *Setatemente sa Leano la Kharikhulamo le Tekanyetso (SLKT): Mmetse wa Kereiti ya R (Moralo wa Moshwelella)*, 2011, Lefapha la Thuto ya Motheo, Afrika Borwa.

Diphetho tsa ho ithuta

- ◆ Ho shebisisa ho kenya tshebetsong ha Kotara ya 2 Dibeke tsa 4–7
- ◆ Ho sebedisa dintlhatheo tsa Lenaneo la Mmetse moralong wa beke le beke
- ◆ Ho shebisisa dintlhatheo tsa Lenaneo la Mmetse tse ho moralo wa beke le beke
- ◆ Ho shebana le dikahare tsa Lenaneo la Mmetse tsa Kotara ya 2 Dikebe tsa 8–10 (Sebaka le Sebopoho (Jeometri); Mometho; Dinomoro, Matshwao le Dikamano)
- ◆ Ho sebedisa tsebo ya tekanyetso e sa hlophiswang, e tswelang pele bakeng sa ho ithuta le ho ruta

Dikahare tsa wekshopo

- ◆ Pulo le boikgopotso (Hora e 1)
- ◆ Karolo ya 1: Sebaka le Sebopoho (Jeometri) (Hora e 1)

TEYE

- ◆ Karolo ya 2: Mometho (Hora e 1)
- ◆ Karolo ya 3: Dinomoro, Matshwao le Dikamano (Hora e 1)

DIJO TSA MOTSHEARE

- ◆ Karolo ya 4: Dinomoro, Matshwao le Dikamano (Metsotso e 45)
- ◆ Karolo ya 5: Tekanyetso ya Kotara ya 2 (Hora e 1)
- ◆ Diketsahalo tsa ho kwala (Metsotso e 15)

Opening and reflection

1 hour

Here is the *Take back to school task* from Workshop 5.



Take back to school task (Workshop 5)

1. Continue to use the Record of Continuous Assessments in *Activity Guide: Term 2* to assess your learners. Make use of your ongoing observation notes to build up evidence of what learners understand and can do.
2. Identify any concerns you have about individual learner's emerging grasp of maths concepts.
3. Bring copies of rubrics that you used for maths assessment to the next workshop.
4. Bring a completed assessment record for one learner to the next workshop.
5. Use *Activity Guide: Term 2* to plan and implement Weeks 4–7 of the Maths Programme, including creating a maths area with a focus on the concept for each week.
6. Make notes on what worked well, what did not work so well and what you could do differently to improve teaching and learning.



Activity 1

1. In your groups, discuss your progress in implementing Term 2 Weeks 4–7.
 - ◆ What worked well (strengths)?
 - ◆ What did not work well (challenges)?
 - ◆ What could you do to improve teaching and learning in your classroom?

Record the main points of your discussion on flipchart paper to share with the other groups later.

Pulo le boikgopotso

Hora e 1

Mosebetsi wa kgutlela le yona sekolong ke ona ho tswa ho Wekshopo ya 5.



Mosebetsi wa kgutlela le yona sekolong (Wekshopo ya 5)

1. Tswela pele ho sebedisa Rekoto ya Ditekanyetso tse Tswellang tse ho *Tataiso ya Diketsahalo: Kotara ya 2* ho lekanyetsa baithuti. Sebedisa dinoutso tsa hao tsa ditemoho tse tswellang ho aha bopaki ba seo baithuti ba se utlwisisang le ho ka se etsa.
2. Hlwaya dingongoreho dife kapa dife tseo o nang le tsona mabapi le kutlwisiso e hlahellang ya baithuti ka bomong ya mareo a mmetse.
3. Tloo le dikhopi tsa diruburiki tseo o di sebedisitseng bakeng sa tekanyetso ya mmetse wekshopong e latelang.
4. Tloo le rekoto ya tekanyetso e felletseng ya moithuti a le mong wekshopong e latelang.
5. Sebedisa *Tataiso ya Diketsahalo: Kotara ya 2* bakeng sa ho rera le ho kenya tshebetsong Dibeke tsa 4–7 tsa Lenaneo la Mmetse, ho kenyaletsa ho thea sebaka sa mmetse o tsepamisitse maikutlo ho lereo le itseng bakeng sa beke ka nngwe.
6. Etsa dinoutso mabapi le tse sebedisitseng hantle, tse sa sebetsang hantle le tseo o nahangang hore o ka di etsa ka tsela e fapaneng ho ntlafatsa ho ruta le ho ithuta.



Ketsahalo ya 1

1. Dihlotshwaneng tsa lona, buisanang ka kgatelopele ya lona ya ho kenya tshebetsong Kotara ya 2 Dibeke tsa 4–7.
 - ◆ Ke dife tse sebedisitseng hantle (matla)?
 - ◆ Ke dife tse sa sebetsang hantle (diphephetso)?
 - ◆ Ke eng seo o ka beng o se entse ho ntlafatsa ho ruta le ho ithuta ka phaposing ya hao ya borutelo?

Rekotang dintlha tsa sehlooho tsa puisano ya lona pampiring ya fliptjhate bakeng sa ho abelana le dihlotswhana tse ding hamorao.

2. Discuss how successful you were in:
 - ◆ recording notes about individual learners after each teacher-guided activity in Weeks 4–7.
 - ◆ completing the Term 2: Record of Continuous Assessments on pages 190–193 of *Activity Guide: Term 2* for each learner.

Record the main points of your discussion on your flipchart paper.

3. Discuss one learner's areas of success and/or difficulty and how you recorded these. Record the main points of your discussion on your flipchart paper.

In the *Take back to school* task in Workshop 5 you were asked to bring copies of the learner assessment rubrics you use as part of the Maths Programme to this workshop. In Activity 2, your group will discuss these rubrics and how assessment information is captured and shared. In Session 5, we will discuss rubrics in more detail.



Activity 2

1. In your groups, share examples of maths rubrics you have used as part of your assessment process.
2. Discuss how you capture the learners' progress on the SA-SAMS system and how this information is shared with parents.

Record the main points of your discussion on flipchart paper to share with the other groups later.

2. Buisanang kamoo le atlehileng ka teng ho:
- ◆ rekota dinoutso mabapi le baithuti ka bonngwe kamora ketsahalo ka nngwe e tataiswang ke titjhere ho Dibeke tsa 4–7.
 - ◆ qetella Kotara ya 2: Rekoto ya Tekanyetso e Tswellang ho maqephe a 190–193 a *Tataiso ya Diketsahalo: Kotara ya 2* bakeng sa moithuti ka mong.

Rekotang dintlha tsa sehlooho tsa puisano ya lona pampiring ya flipitjhate ya lona.

3. Buisanang ka dibaka tsa moithuti ka mong tsa katileho le/kapa tsa mathata le kamoo le di rekotileng ka teng. Rekotang dintlha tsa sehlooho tsa puisano ya lona pampiring ya flipitjhate ya lona.
-
-
-

Mosebetsing wa *Kgutlela le yona sekolong* o ho Wekshopo ya 5 le ile la kotjwa ho tla le dikophi tsa diruburiki tsa tekanyetso ya moithuti tseo le di sebedisang jwaloka karolo ya Lenaneo la Mmetse wekshopong ena. Ho Ketsahalo ya 2, sehlotschwana sa lona se tla buisana ka diruburiki tsena le kamoo tlhahisoleseding ya tekanyetso e ngolwang le ho abelanwa ka teng. Ho karolo ya 5, re tla buisana ka diruburiki ka botebo.



Ketsahalo ya 2

1. Dihlotshwaneng tsa lona, abelanang ka mehlala ya diruburiki tsa mmetse tseo le di sebedisitseng e le karolo ya mokgwatshebetso wa tekanyetso ya lona.
2. Buisanang kamoo le rekotang kgatelopele ya baithuti ho sistimi ya SA-SAMS le kamoo tlhahisoleseding ena e abelanwang le batswadi ka teng.

Rekotang dintlha tsa sehlooho tsa puisano ya lona pampiring ya flipitjhate bakeng sa ho abelana le dihlotschwana tse ding hamorao.

Video 1

Watch the video of a teacher observing a group of learners completing a maths activity. Listen to her talking about how she observes and records her learners' progress and how she deals with their different levels of competence.

Discuss how you deal with learners who are not achieving success in the structured weekly plans, as well as those learners who exceed expectations.

The level principle: Not all learners progress at the same speed. Some learners need more time to consolidate a skill or concept while others grasp ideas more quickly. The challenge for teachers is to accommodate learners at different levels and to adapt the weekly plan to provide support or extension activities where necessary.





Video ya 1

Shebellang video ya titjhere ya shebelletseng seholpha sa baithuti se phethela ketsahalo ya mmetse. Mo mameleng ha a bua kamoo a lemohang le ho rekota kgatelopele ya baithuti ba hae ka teng le kamoo a sebetsanang le maemo a bona a fapaneng a boiphihlelo.

Buisanang kamoo le sebetsanang le baithuti ba sa fihlelleng katileho meralong ya beke le beke e hlophisitsweng, esitana le baithuti ba fetang ditebello tsa ho ithuta.

Ntlhatheo ya mekgahlelo: Ha se baithuti bohole ba hatelang pele ka lebelo le tshwanang. Baithuti ba bang ba hloka nako e ngata bakeng sa ho kgobokanya bokgoni kapa kgopololeha ba bang ba utlwisia ditaba kapele ho feta. Phephetso bakeng sa matitjhere ke ho kenyelotsa baithuti mekgahlelong e fapaneng le ho lokisa moralo wa beke le beke hore o fane ka tshehetso kapa katoloso ya diketsahalo moo ho hlokeheng.



Session 1: Space and Shape (Geometry)

1 hour

This workshop focuses on teaching the content of Term 2 Weeks 8–10. The focus of Term 2 Week 8 is Space and Shape (Geometry).

Terms 1–4 Content overview: Space and Shape (Geometry)

Refer to the content overview for Space and Shape (Geometry) on pages 126–131 of the *Concept Guide* and complete Activity 3.

Properties of shapes

Learners need many opportunities to compare and sort shapes according to their properties and to describe the similarities and differences of shapes.



Activity 4

The facilitator will give your group a set of shapes.

1. Sort the shapes.
2. Discuss why you sorted them in this way.
3. Sort the shapes in another way.
4. Discuss why you sorted them in this way.

Karolo ya 1: Sebaka le Sebopeho (Jeometri) Hora e 1

Wekshopo ena e tsepame ho ho ruta dikahare tsa Kotara ya 2 Dibeke tsa 8–10. Tsepamiso e ho Kotara ya 2 Beke ya 8 ke Sebaka le Sebopeho (Jeometri).

Dikotara tsa 1–4 Tjhebokakaretso ya Dikahare: Sebaka le Sebopeho (Jeometri)

Sheba ho tjhebokakaretso ya dikahare bakeng sa Sebaka le Sebopeho (Jeometri) ho maqephe a 126–131 a *Tataiso ya Mareo* mme o phethele Ketsahalo ya 3.

Makgetha a dibopeho

Baithuti ba hloka menyetla e mengata ya ho bapisa le ho hlophisa dibopeho ho ya ka makgetha a tsona le ho hlophisa ditshwano le diphapang tsa dibopeho.



Ketsahalo ya 4

Motsamaisi o tla fa sehlotschwana sa hao sete ya dibopeho.

1. Hlophisang dibopeho.
2. Buisanang ka hore ke hobaneng le di hlophisitse ka tsela ena.
3. Hlophisang dibopeho ka tsela e nngwe.
4. Buisanang ka hore ke hobaneng ha le di hlophisitse ka tsela ena.

Term 2 Content Summary: Week 8

Refer to Appendix A: Term 2 Weekly Content Summary (Weeks 8–10). Read the content overview for Week 8: Space and Shape (Geometry) on page 20 of *Activity Guide: Term 2*.

The Space and Shape (Geometry) Content Area was also the focus of Term 2 Weeks 3 and 4. In previous workshops, you have discussed the Space and Shape concepts that need to be covered.

The Weekly Content Summary for Week 8 provides an overview of planning for the week: whole class activities, teacher-guided activities and workstation activities done in independent small groups.



Activity 5

1. Take a few minutes to familiarise yourself with the Week 8 content in Appendix A: Term 2 Weekly Content Summary (Weeks 8–10).
2. Match this with the content on pages 138–153 of *Activity Guide: Term 2*. Identify how the whole class, teacher-guided and workstation activities link with the Week 8 content in Appendix A.

Kotara ya 2 Kakaretso ya Dikahare: Beke ya 8

Shebang ho Sehlomathiso A: Kotara ya 2 Kakaretso ya Dikahare tsa Beke le beke (Dibeke tsa 8–10). Balang tjhebokakaretso ya dikahare bakeng sa Beke ya 8: Sebaka le Sebopaho (Jeometri) leqepheng la 21 la *Tataiso ya Diketsahalo: Kotara ya 2*.

Karolo ya Dikahare tsa Sebaka le Sebopaho (Jeometri) e ne e boetse e le tsepamiso ya Kotara ya 2 Dibeke tsa 3 le 4. Diwekshopong tse fetileng, le buisane ka mareo a Sebaka le Sebopaho a lokelang ho rutwa.

Kakaretso ya Dikahare tsa Beke le beke bakeng sa Beke ya 8 e fana ka tjhebokakaretso ya ho rera bakeng sa beke: diketsahalo tsa tlelase yohle, diketsahalo tse tataiswang ke titjhere le diketsahalo tsa diteisheneng tsa tshebetso tse etswang ke dihlotschwana tse ikemetseng.



Ketsahalo ya 5

1. Nka metsotso e mmalwa ho itlwaetsa dikahare tsa Beke ya 8 ho Sehlomathiso A: Kotara ya 2 Kakaretso ya Dikahare tsa Beke le beke (Dibeke tsa 8–10).
2. Nyalanya sena le dikahare tse maqepheng a 138–153 a *Tataiso ya Diketsahalo: Kotara ya 2*. Hlwaya kamoo diketsahalo tsa tlelase yohle, tse tataiswang ke titjhere le tsa diteisheneng tsa tshebetso di amanang ka teng le dikahare tsa Beke ya 8 ho Sehlomathiso A.

Session 2: Measurement

1 hour

The focus of Term 2 Week 9 is Measurement.

Terms 1–4 Content overview: Measurement

Refer to the content overview for Measurement on pages 132–135 of the *Concept Guide*.



Activity 6

1. What Measurement concepts are covered in Term 2?

2. What are the differences between the Maths Programme content and the CAPS content?

Directly comparing objects: length

In Term 1 of the Maths Programme the focus of the Measurement Content Area was time (day, night, days of the week, sequencing events, etc.) and the height chart. In Term 2 Week 9, the focus is on using non-standard units to measure and compare length.



Activity 7

1. **Direct comparison**

Choose a partner to stand next to. The rest of your group members should compare your heights.

- ◆ Who is taller? _____
- ◆ Who is shorter? _____
- ◆ Find a third person who is taller than both of these people.

2. **Using non-standard units of measurement**

Choose three objects (e.g. a key, a cellphone, a purse).

- ◆ Use one of these items at a time to measure this *Participant's Workbook*.
- ◆ Report your findings to the group.

Karolo ya 2: Mometho

Hora e 1

Tsepamiso ya Kotara ya 2 Beke ya 9 ke Mometho.

Dikotara tsa 1-4 Tjhebokakaretso ya dikahare: Mometho

Sheba ho tjhebokakaretso ya dikahare bakeng sa Mometho maqepheng a 132–135 a *Tataiso ya Mareo*.



Ketsahalo ya 6

1. Ke mareo afe a mometho a rutilweng ho Kotara ya 2?

2. Ke diphapang dife tse teng pakeng tsa dikahare tsa Lenaneo la Mmetse le dikahare tsa SLTK?

Ho bapisa dintho ka kotloloho: bolelele

Ho Kotara ya 1 ya Lenaneo la Mmetse tsepamo e ho Karolo ya Dikahare tsa Mometho e ne e le nako (motsheare, bosiu, matsatsi a beke, tatelano ya diketsahalo, jj.) le tjhate ya bophahamo. Ho Kotara ya 2 Beke ya 9, tsepamo e ho tshebediso ya diyuniti tse sa hlaphiswang ho metha le ho bapisa bolelele.



Ketsahalo ya 7

1. **Papiso ka kotloloho**

Kgetha molekane eo o ka emang pela hae. Ditho tse ding kaofela tsa sehlopha sa hao di lokela ho bapisa bophahamo ba lona.

- ◆ Ke mang ya motelele ho feta? _____
- ◆ Ke mang ya mokgutshwane ho feta? _____
- ◆ Batla motho e mong wa boraro ya motelele ho feta batho bana ba le babedi.

2. **Ho sebedisa diyuniti tse sa hlaphiswang tsa mometho**

Kgetha dintho tse tharo (mohl. senotlolo, selefouno, sepatjhe).

- ◆ Sebedisa e nngwe ya dintho tsena ka nako ho metha *Buka ya Mosebetsi ya Monkakarolo*.
- ◆ Tlaleha diphumano tsa hao sehlopheng.

Term 2 Content Summary: Week 9

Refer to Appendix A: Term 2 Weekly Content Summary (Weeks 8–10). Read the content overview for Week 9: Measurement on page 20 of *Activity Guide: Term 2*.

Read the whole class activities for Week 9 on pages 154–165 of *Activity Guide: Term 2*.



Activity 9

In your groups, discuss how length is taught during the whole class activities in Week 9.

1. What could you do if a learner is not yet able to compare and order objects according to length – long/longer and short/shorter by the end of Week 9?

2. What could you do if some learners complete a workstation activity successfully quicker than planned?

Kotara ya 2 Kakaretso ya Dikahare: Beke ya 9

Sheba ho Sehlomathiso A: Kotara ya 2 Kakaretso ya Dikahare tsa Beke le beke (Dibeke tsa 8-10). Bala tjhebokakaretso ya dikahare bakeng sa Beke ya 9: Mometho leqepheng la 21 la *Tataiso ya Diketsahalo: Kotara ya 2*.

Bala diketsahalo tsa tlelase yohle bakeng sa Beke ya 9 maqepheng ana, 154–165 a *Tataiso ya Diketsahalo: Kotara ya 2*.



Ketsahalo ya 9

Sehlotshwaneng sa lona, buisanang kamoo bolelele bo rutwang ka teng nakong ya diketsahalo tsa tlelase yohle ho Beke ya 9.

1. O ne o ka etsa eng haeba moithuti a eso kgone ho bapisa le ho bea dintho ka tatelano ho ya ka bolelele – telele/telele ho feta le kgutshwane/kgutshwane ho feta pele Beke ya 9 e fela?

2. O ne o ka etsa eng haeba baithuti ba bang ba qeta ketsahalo ya diteisheneng tsa tshebetso ka katleho kapele ho feta kamoo ho neng ho rerilwe?

Session 3: Numbers, Operations and Relationships

1 hour

The focus of Term 2 Week 10 is Numbers, Operations and Relationships.

Terms 1–4 Content overview: Numbers, Operations and Relationships

The Numbers, Operations and Relationships Content Area was also the focus in Weeks 1, 2 and 5 of Term 2, and you discussed the number concepts that need to be covered in previous workshops. Look at the content overview for Numbers, Operations and Relationships on pages 114–123 of the *Concept Guide*.



Activity 10

What number concepts still need to be covered in Term 2?

Problem solving

Teachers need to provide learners with many opportunities to solve problems so that they can apply their maths knowledge and skills in new contexts. All games and activities involve problem solving. Word problems in maths introduce a specific type of problem solving that involves solving addition, subtraction, multiplication and division problems. In Grade R learners solve addition and subtraction problems by counting and using concrete apparatus to help them find a solution. They use grouping and one-to-one sharing to solve multiplication and division problems.

The biggest challenge in presenting word problems to learners, is to ensure that there is appropriate questioning and use of language. When teachers present a word problem, they need to listen carefully to learners' responses and guide them to solve the problem using a strategy that is suitable for their level of understanding.

The posters in the *Poster Book* have been designed to provide learners with a set of pictures that relate to their lives and provide contexts for solving real-life problems.

In Week 10 Day 4 (page 180 of *Activity Guide: Term 2*), Poster 1 is used to encourage learners to solve problems that involve numbers 1–5.

Karolo ya 3: Dinomoro, Matshwao le Dikamano

Hora e 1

Tsepamiso ya Kotara ya 2 Beke ya 10 ke Dinomoro, Matshwao le Dikamano.

Dikotara tsa 1-4 Tjhebokakaretso ya Dikahare: Dinomoro, Matshwao le Dikamano

Karolo ya Dikahare ya Dinomoro, Matshwao le Dikamano le yona e bile tsepamiso ya Dibeke tsa 1, 2 le 5 tsa Kotara ya 2, mme le buisane ka mareo a dinomoro a lokelang ho rutwa diwekshopong tse fetileng. Sheba tjhebokakaretso ya dikahare bakeng sa Dinomoro, Matshwao le Dikamano maqepheng a 114-123 a *Tataiso ya Mareo*.



Ketsahalo ya 10

Ke mareo afe a dinomoro a ntseng a hloka ho rutwa ho Kotara ya 2?

Ho rarolla mathata

Matitjhere a hloka ho fa baithuti menyetla e mengata ya ho rarolla mathata ele hore battle ba kgone ho sebedisa tsebo le bokgoni ba bona ba mmetse maemong a matjha. Dipapadi tsohle le diketsahalo di kenyeltsa ho rarolla bothata. Dipalo tsa mantswe ho mmetse di tsebisa mofuta o itseng wa ho rarolla bothata o kenyeltsang ho rarolla mathata a ho kopanya, ho tlosa, ho atisa le ho arola. Kereiting ya R baithuti ba rarolla mathata a ho kopanya le ho tlosa ka ho bala le ho sebedisa disebediswa tse tshwarehang ho ba thusa ho fumana tharollo. Ba sebedisa ho bea ka dihlopha le ho abelana ka bonngwe ho rarolla mathata a ho atisa le ho arola.

Phephetso e kgolo ka ho fetisia ya ho hlahisa dipalo tsa mantswe ho baithuti, ke ho netefatsa hore ho na le tsela e nepahetseng ya ho botsa dipotso le tshebediso ya puo. Ha matitjhere a fana ka bothata ba dipalo tsa mantswe, ba lokela ho mamela ka hloko dikarabelo tsa baithuti mme ba ba tataise ho rarolla bothata boo ba sebedisa mawa a loketseng boemo ba bona ba kutlwisiso.

Diphoustara tse ka hara *Buka ya Diphoustara* di etseditswe ho fa baithuti sete ya ditshwantsho tse tsamaelanang le maphelo a bona mme di fana ka ditikoloho bakeng sa ho rarolla mathata a bophelo ba nnete.

Ho Beke ya 10 Letsatsi la 4 (leqephe la 181 la *Tataiso ya Diketsahalo: Kotara ya 2*), Phoustara ya 1 e sebediswa ho kgothaletsa baithuti ho rarolla mathata a kenyeltsang dinomoro tsa 1-5.



Activity 11

In your groups, refer to Poster 1. Think of appropriate word problems for each of these skills:

- ◆ comparing
 - ◆ matching
 - ◆ counting
 - ◆ addition
 - ◆ subtraction
 - ◆ grouping
 - ◆ equal sharing.
-
-
-
-
-

When you do word-problem activities with your learners, allow them to use their fingers or counters to help them solve the problems.

One of the sections in Numbers, Operations and Relationships is, ‘Solve problems in context’. In your groups, read the content overview for Term 2 for this section on page 120 of the *Concept Guide*. Then complete Activity 12.



Activity 12

Reflect on Activity 11.

1. What concepts and skills are taught and learnt in the topic: Problem-solving techniques?
-
-

2. What concepts and skills are taught and learnt in topic: Addition and subtraction?
-
-



Ketsahalo ya 11

Dihlotshwaneng tsa lona, shebang ho Phoustara ya 1. Nahanang ka dipalo tsa mantswe tse tshwanetseng bakeng sa bokgoni ka bong ho tse latelang:

- ◆ ho bapisa
 - ◆ ho nyalanya
 - ◆ ho bala dintho
 - ◆ ho kopanya
 - ◆ ho tlosa
 - ◆ ho bea ka dihlopha
 - ◆ ho aba ka ho lekana.
-
-
-
-

Ha le etsa diketsahalo tsa dipalo tsa mantswe mmoho le baithuti ba hao, ba dumelle ho sebedisa menwana ya bona kapa dibadi ho ba thusa ho rarolla mathata.

E nngwe ya dikarolo ho Dinomoro, Matshwao le Dikamano ke, 'Rarolla mathata ho ya ka tikoloho'. Ka dihlotswana tsa lona, balang tjhebokakaretso ya dikahare bakeng sa Kotara ya 2 bakeng sa karolo ena leqepheng la 121 la *Tataiso ya Mareo*. Ebe le phethela Ketsahalo ya 12.



Ketsahalo ya 12

Ikgopotseng Ketsahalo ya 11.

1. Ke mareo le bokgoni bofe tse rutwang le ho ithutwa ho sehlooho: Mawa a ho rarolla mathata?
-
-

2. Ke mareo afe le bokgoni bofe tse rutwang le ho ithutwa ho sehlooho: Ho kopanya le ho tlosa?
-
-

Estimation

Learners develop estimation skills and make a ‘sensible’ guess about ‘how many objects’ there are in a collection. During measurement activities, they estimate how heavy or how long something is, or how many cups will fill a jug before they do the actual measuring.



Activity 13

The facilitator will show you two jars. Estimate how many objects are in each jar and respond to her questions.

Learners need to be able to use terms such as: *too few, too many, more than, enough, not enough, nearly, close to, about the same, just under, just over*.

Teachers can plan estimation activities that encourage learners to make sensible guesses about the quantity of a group of objects or the measurement of an object.

Term 2 Content Summary: Week 10

Refer to Appendix A: Term 2 Weekly Content Summary (Weeks 8–10). Read the content overview for Week 10: Numbers, Operations and Relationships on page 20 of *Activity Guide: Term 2*.



Activity 14

1. What are the topics for Week 10?

2. What new knowledge is introduced in this week?

3. What skills from previous weeks are practised?

Refer to the estimation activities in Week 10 (*Activity Guide: Term 2*, pages 174 (Day 1), 176 (Day 2) and 178 (Day 3)).

Kakanyo

Baithuti ba fumana bokgoni ba ho akanya mme ba noha ka tsela e 'bohlale' mabapi le 'hore ke dintho tse kae' ka hara pokello. Nakong ya diketsahalo tsa ho metha, ba akanya hore ntho e itseng e boima hakae kapa e telele hakae, kapa ke dikopi tse kae tse tlangu ho tlatsa jeke pele ba hlile ba metha.



Ketsahalo 13

Motsamaisi o tla o bontsha ditshelo tse pedi. Akanya hore ke dintho tse kae ka hara setshelo ka seng mme o arabe dipotso tsa hae.

Baithuti ba lokela ho kgona ho sebedisa mareo a kang: *mmalwa haholo, ngata haholo, ngata ho feta, lekane, ha e a lekana, batlile, haufi le, di batla di lekana, ka tlase feela, ka hodimo feela*.

Matitjhere a ka rera diketsahalo tsa kakanyo tse kgothaletsang baithuti ho noha ka bohlale mabapi le bongata ba sehlopha sa dintho kapa mometho wa ntho.

Kotara ya 2 Kakaretso ya Dikahare: Beke ya 10

Sheba Sehlomathiso A: Kotara ya 2 Kakaretso ya Dikahare tsa Beke le beke (Dibeke tsa 8-10). Bala tjhebokakaretso ya dikahare bakeng sa Beke ya 10: Dinomoro, Matshwao le Dikamano leqepheng la 21 la *Tataiso ya Diketsahalo: Kotara ya 2*.



Ketsahalo ya 14

1. Dihlooho bakeng sa Beke ya 10 ke dife?

2. Ke tsebo efe e ntjha e tsebiswang bekeng ena?

3. Ke bokgoni bofe ho tswa dibekeng tse fetileng bo sebediswang?

Shebang ho diketsahalo tsa kakanyo ho Beke ya 10 (*Tataiso ya Diketsahalo: Kotara ya 2*, maqephe a 175 (Letsatsi la 1), 177 (Letsatsi la 2) le 179 (Letsatsi la 3)).

Session 4: Numbers, Operations and Relationships

45 minutes

The Maths Programme focuses on one main Content Area each week. You will have noticed that even though when the weekly Content Area Focus is not ‘number’, the number routines continue every day of each week. The reason for this is that repetition and practice are essential for consolidating the learners’ developing number skills.

The whole class activities for each day of the week always start with three number routines:

- ◆ a song or rhyme
- ◆ oral counting
- ◆ counting objects.

These three number routines are planned to match the number range for each term.



Activity 15

Find the Term 2 daily number routines in *Activity Guide: Term 2* and complete the table. Week 1 has been done for you.

Week	Content Area Focus	Song or rhyme	Oral counting	Counting objects
1	Numbers, Operations and Relationships	A rhyme from Term 1	1–10 5–1	1–5 (birthday chart)
2				
3				

Karolo ya 4: Dinomoro, Matshwao le Dikamano

Metsotso e 45

Lenaneo la Mmetse le tsepame ho Karolo ya Dikahare ya sehlooho e le nngwe beke ka nngwe. O tla lemoha hore esitana le ha Tsepamo ya Karolo ya Dikahare ya beke le beke e se ‘nomoro’, tlwaelo ya dinomoro e a tswella letsatsi le letsatsi bakeng sa beke ka nngwe. Lebaka la sena ke hore phetapheto le boikwetliso di bohlokwa bakeng sa ho kgobokanya bokgoni ba dinomoro ba baithuti bo holang.

Diketsahalo tsa tlelase yohle bakeng sa letsatsi ka leng la beke kamehla di qala ka ditlwaelo tse tharo tsa dinomoro:

- ◆ pina kapa raeme
- ◆ ho bala ka molomo
- ◆ ho bala dintho.

Ditlwaelo tsena tse tharo di rerilwe ho nyalanya letoto la dinomoro bakeng sa kotara ka nngwe.



Ketsahalo ya 15

Fumana ditlwaelo tsa dinomoro tsa letsatsi le letsatsi tsa Kotara ya 2 ho *Tataiso ya Diketsahalo: Kotara ya 2* mme o tlatse tafole ena. Beke ya 1 o se o e etseditswe.

Beke	Tsepamiso ho Karolo ya Dikahare	Pina kapa raeme	Ho bala ka molomo	Ho bala dintho
1	Dinomoro, Matshwao le Dikamano	Raeme e tswang ho Kotara ya 1	1–10 5–1	1–5 (tjhate ya matsatsi a tswalo)
2				
3				

4				
5				
6				
7				
8				
9				
10				

Having looked through the number content for Term 2, you will have noticed that the number routines are practised every day of each week regardless of the Content Area Focus and that the progression in number range increases across the term.

4				
5				
6				
7				
8				
9				
10				

Haeba le ile la sheba ho dikahare tsa dinomoro bakeng sa Kotara ya 2, le tla be le lemohile hore ditlwaelo tsa dinomoro di ikwetliswa letsatsi le leng le le leng la beke ka nngwe ho sa natswe Tsepamiso ho Karolo ya Dikahare le hore kgatelopele letotong la dinomoro e eketseha kotareng kaofela.

Session 5: Term 2 Assessment

1 hour



Video 2

Watch the video of a teacher presenting word problems to a small group of learners.

Observe how each learner solves the problem. Notice how the teacher uses prompts when a learner has difficulty.



Activity 16

Look at the rubric on page 106 of the *Concept Guide*.

In your groups, discuss how you would score each of the learners using this scale. Give reasons for your decisions based on the assessment criteria for each rating code.

Karolo ya 5: Kotara ya 2 Tekanyetso

Hora e 1



Video ya 2

Shebellang video ya titjhere a hlahisa dipalo tsa mantswe ho sehlotschwana sa baithuti.

Shebellang kamoo moithuti ka mong a rarollang bothata. Lemoha kamoo titjhere a sebedisang mehlala ha moithuti a thatafallwa..



Ketsahalo ya 16

Sheba ruburiki e leqepheng la 107 la *Tataiso ya Mareo*.

Dihlotshwaneng tsa lona, buisanang ka kamoo le ka fang moithuti ka mong matshwao le sebedisa sekala sena. Fanang ka mabaka bakeng sa diqeto tsa lona le itshetlehole ka makgetha a tekanyetso bakeng sa khoutu ka nngwe ya ho lekanya.

Closing activities

15 minutes



Activity 17

Workshop reflection: Take a few minutes to reflect on the day. Page through your *Participant's Workbook* to remind yourself of what was covered. Write down any questions or comments to share with the group.



Take back to school task

1. Use *Activity Guide: Term 2* to plan and implement Weeks 8–10 of the Maths Programme.
2. Write an evaluation of what worked well, what did not work so well and what you could do differently to improve teaching and learning.
3. Bring your evaluation to the next workshop.

Evaluation

Complete the Evaluation Form.



Ketsahalo ya 17

Boikgopotso ba wekshopo: Nka metsotso e mmalwa ho ikgopotsa ka letsatsi leo.

Phetla *Buka ya Mosebetsi ya Monkakarolo* ya hao ho ikgopotsa ka tse rutilweng. Ngola fatshe dipotso kapa ditshwaelo dife kapa dife bakeng sa ho abelana le sehlopha sohle.



Mosebetsi wa kgutlela le yona sekolong

1. Sebedisa *Tataiso ya Diketsahalo: Kotara ya 2* bakeng sa ho rera le ho kenya tshebetsong Dibeke tsa 8–10 tsa Lenaneo la Mmetse.
2. Ngola tlhahlobo ya tse sebeditseng hantle, tse sa sebetsang hantle hakaalo le tseo o ka di etsang ka tsela e fapaneng hore o ntlafatse ho ruta le ho ithuta.
3. Tloo le tlhahlobo ya hao wekshopong e latelang.

Tlhahlobo

Tlatsa Foromo ya Tlhahlobo.

APPENDIX A: TERM 2 WEEKLY CONTENT SUMMARY (WEEKS 8-10)

Term 2: Activity Plan

Week 8					
CONTENT AREA: SPACE AND SHAPE (GEOMETRY)					
TOPIC: Properties of shapes – compare same and different, sort according to properties; position; orientation and views					
INTRODUCE NEW KNOWLEDGE: Follow direction and midline crossing					
PRACTISE: Oral counting 1-20, counting backwards from 7, sequencing numbers 1-5, counting objects 1-7, reinforce number concept 1-5, what number comes before/after, practise using all shapes		Teacher-guided activity	Workstation activities		
Whole class activities					
Day 1	Forwards/backwards.	Counting – show me 1-3, 5-7 counters. Working with all taught shapes. Midline crossing. Position – direction. Forwards/backwards.	Activity 1	Sorting activity – using cut-out shapes.	
Day 2	Reinforce all shapes (I spy ...).		Activity 2	Make shapes using playdough and make a copy.	
Day 3	Shape game.		Activity 3	Masking tape shapes – learners follow shapes using blocks.	
Day 4	What can I do: Lost my ... (shape).		Activity 4	Match shapes using shape cards.	
Day 5	Obstacle course (requires a big space/outdoors). Midline crossing.				
Week 9					
CONTENT AREA: MEASUREMENT					
TOPIC: Length – compare and order objects using appropriate vocabulary to describe length					
INTRODUCE NEW KNOWLEDGE: Measuring and comparing length (long/short, longer/shorter, longest/shortest)					
PRACTISE: Oral counting 1-20, counting backwards from 7, counting objects 1-7, estimation 1-7, tall/short					
Whole class activities		Teacher-guided activity	Workstation activities		
Day 1	Longer/shorter (height).	Longer than/shorter than. Taller than/shorter than. Measurement with everyday objects.	Activity 1	Shorter/longer (pre-cut strips of different length).	
Day 2	Comparing lengths of ribbons.		Activity 2	Wiggly worms (to make a poster shortest to longest).	
Day 3	Sorting objects by length (coloured paper strips).		Activity 3	Measure blocks using string.	
Day 4	Height chart comparison (from Term 1).		Activity 4	Playdough and lined paper (different lengths).	
Day 5	Height chart comparison (taller/shorter than you).				

SEHLOMATHISO A: KOTARA YA 2 KAKARETSO YA DIKAHARE TSA BEKE LE BEKE (DIBEKE TSA 8-10)

Kotara ya 1: Moralo wa Ketsahalo

Beke ya 8			
KAROLO YA DIKAHARE: SEBAKA LE SEBOPEDHO (JEOMETRI)			
SEHLOOHO: Makgetha a dibopeho – bapisa tse tshwanang le tse fapaneng, hlophisa ho ya ka makgetha; boemo; tlwaetso le ditjhebo			
TSEBISA TSEBO E NTJHA: Latela tshupiso le ho tshela molahare			
HO ETSA: Ho bala ka molomo 1–20, ho bala o kgutlela morao ho tloha ho 7, ho hlahlamanya dinomoro 1–5, ho bala dintho 1–7, hatella kgopolo ya dinomoro 1–5, ke nomoro efe e tlang pele/kamora, ikwetlise ho sebedisa dibopeho tsohle			
Diketsahalo tsa tlelase yohle	Ketsahalo e tataiswang ke titjhere	Diketsahalo tsa diteisheneng tsa tshebetso	
Letsatsi la 1	Pele/Morao.	Ho bala – mpontshe dibadi tse 1–3, 5–7.	Ketsahalo ya 1
Letsatsi la 2	Hatella dibopeho tsohle (ke bona ...).	Ho sebetsa ka dibopeho tsohle tse rutilweng.	Ketsahalo ya 2
Letsatsi la 3	Papadi ya dibopeho.	Ho tshela molahare. Boemo – tshupiso.	Ketsahalo ya 3
Letsatsi la 4	Nka etsa eng: Ke lahlehetswe ke ... (sebopetho).	Pele/Morao.	Ketsahalo ya 4
Letsatsi la 5	Tselana ya ditshita (e hloka sebaka se seholo/ka ntle). Ho tshela molahare.		
Beke ya 9			
KAROLO YA DIKAHARE: MOMETHO			
SEHLOOHO: Botelele – bapisa le ho bea dintho ka tatelano o sebedisa tlotlontswe e loketseng ho hhalosa bolelele			
TSEBISA TSEBO E NTJHA: Ho metha le ho bapisa botelele (telele/kgutshwane, telele ho feta/kgutshwane ho feta, telele ho fetisisa/kgutshwane ho fetisisa)			
HO ETSA: Ho bala ka molomo 1–20, ho bala o kgutlela morao ho tloha ho 7, ho bala dintho 1–7, ho lekanyetsa 1–7, molelele/mokgutshwane			
Diketsahalo tsa tlelase yohle	Ketsahalo e tataiswang ke titjhere	Diketsahalo tsa diteisheneng tsa tshebetso	
Letsatsi la 1	Telele/kgutshwane ho feta (bophahamo).	E telele ho feta/kgutshwane ho feta.	Ketsahalo ya 1
Letsatsi la 2	Ho bapisa botelele ba diribono.	O motelele ho/mokgutshwane ho.	Ketsahalo ya 2
Letsatsi la 3	Ho hlophisa dintho ho ya ka botelele (dikgetjhana tsa dipampiri tse mebala).	Mometho ka dintho tsa kamehla.	Ketsahalo ya 3
Letsatsi la 4	Papiso ya tjhate ya bophahamo (ho tswa ho Kotara ya 1).		Ketsahalo ya 4
Letsatsi la 5	Papiso ya tjhate ya bophahamo (molelele ho/mokgutshwane ho wena).		

Week 10				
CONTENT AREA: NUMBERS, OPERATIONS AND RELATIONSHIPS				
TOPIC: Describe, compare and order numbers; addition and subtraction (oral); problem solving				
INTRODUCE NEW KNOWLEDGE: Breaking down and building up numbers, problem-solving techniques, addition and subtraction using concrete objects, numbers in familiar settings (address and phone number)				
PRACTISE: Oral counting 1–20, counting backwards from 7, sequencing numbers 1–5, counting objects 1–7, reinforce number concept 1–5, what number comes before/after				
Whole class activities		Teacher-guided activity	Workstation activities	
Day 1	Ordering, using numbers 1–5. Dot cards.	Ordering numbers and dot cards (1–5). Fewer/more/less than. Decomposition of numbers. Phone numbers and addresses.	Activity 1	Write numbers 1–5 and draw dots using white board markers and plastic sheets. Count sticks to match.
Day 2	Addition using concrete objects. Musical chairs.		Activity 2	Tracing shapes according to given number.
Day 3	Subtraction using concrete objects.		Activity 3	Feely cups with number of objects – feel amount and show number symbol.
Day 4	Problem solving. Poster 1.		Activity 4	Number matching pictures.
Day 5	Memory game: Address and phone number. Game: Making groups of 1–5 learners.			

Beke ya 10

KAROLO YA DIKAHARE: DINOMORO, MATSHWAO LE DIKAMANO

SEHLOOHO: Hhalosa, bapisa le ho bea dinomoro ka tatelano; ho kopanya le ho tlosa (ka molomo); ho rarolla bothata

TSEBISA TSEBO E NTJHA: Ho heletsa le ho aha dinomoro, mekgwa ya ho rarolla bothata, ho kopanya le ho tlosa o sebedisa dintho tse tshwarehang, dinomoro ditikolohong tse tlwaelehileng (aterese le nomoro ya mohala)

HO ETSA: Ho bala ka molomo 1–20, ho bala o kgutlela morao ho tloha ho 7, ho hlahlamanya dinomoro 1–5, ho bala dintho 1–7, ho hatella kgopolo ya dinomoro 1–5, ke nomoro efe e tleng pele /kamora

Diketsahalo tsa tlelase yohle	Ketsahalo e tataiswang ke titjhere	Diketsahalo tsa diteisheneng tsa tshebetso		
Letsatsi la 1	Ho hlahlamanya, o sebedisa dinomoro 1–5. Dikarete tsa matheba.	Ho hlahlamanya dinomoro le dikarete tsa matheba (1–5). Mmalwa/ngata /ka tlase ho. Ho heletsa dinomoro. Dinomoro tsa mohala le diaterese.	Ketsahalo ya 1	Ngola dinomoro 1 – 5 mme o take matheba o sebedisa ditshwai tsa boto e tshweu le maqephe a polastiki. Bala dithupa ho nyalanya. Ho tereisa dibopeho ho ya ka nomoro e fanweng. Dikopi tse phopholetswang tse nang le lenane la dintho – phopholetsa hore ke tse kae mme o bontshe letshwao la nomoro. Ditshwantsho tse nyalanang le dinomoro.
Letsatsi la 2	Ho kopanaya o sebedisa dintho tse tshwarehang. Ditulo tsa mmino.		Ketsahalo ya 2	
Letsatsi la 3	Ho tlosa o sebedisa dintho tse tshwarehang.		Ketsahalo ya 3	
Letsatsi la 4	Ho rarolla bothata. Phoustara ya 1.		Ketsahalo ya 4	
Letsatsi la 5	Papadi ya kgopolo: Aterese le nomoro ya mohala. Papadi: Ho etsa dihlotswana tsa baithuti ba 1–5.			

Workshop 6 Evaluation Form

1. Did the workshop meet your expectations?

2. What did you learn in this workshop that helped you the most?

3. Was there anything that you did not like or had difficulty understanding?

4. How will you apply what you have learnt in your Grade R classroom?

5. Do you have any suggestions for improving further workshops?

Foromo ya Tlhahlobo ya Wekshopo ya 6

1. Na wekshopo ena e fihletse ditebello tsa hao?

2. O ithutile eng ho wekshopo ena se o thusitseng ka ho fetisisa?

3. Na ho na le seo o sa kang wa se rata kapa seo o ileng wa thatafallwa ke ho se utlwisia?

4. O tla sebedisa jwang seo o ithutileng sona mona phaposing ya hao ya borutelo ya Kereiti ya R?

5. Na o na le ditlhahiso tse itseng bakeng sa ho ntلافتسا diwekshopo tse ding tse tlang?
