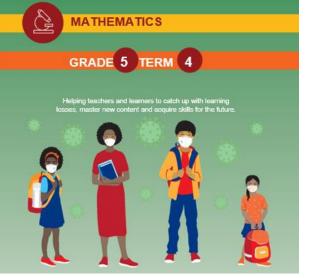
PLANNER & TRACKER FOR RECOVERY ANNUAL TEACHING PLAN (ATP)



2021

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ABOUT THE PLANNER AND TRACKER

This 2021 Revised Recovery Curriculum and Assessment Planner and Tracker is provided by the National Education Collaboration Trust (NECT) on behalf of the Department of Basic Education (DBE)! We hope that this programme provides you with additional skills, methodologies and content knowledge that you can use to teach your learners more effectively.

WHAT IS NECT?

In 2012 our government launched the National Development Plan (NDP) to eliminate poverty and reduce inequality by the year 2030. Improving education is an important goal in the NDP which states that 90% of learners will pass Maths, Science and languages with at least 50% by 2030. This is an ambitious goal for the DBE to achieve on its own, so the NECT was established in 2015 to assist in improving education.

The NECT has successfully brought together groups of people interested in education so that we can work collaboratively to improve education. These groups include the teacher unions, businesses, religious groups, trusts, foundations and NGOs.

PURPOSE OF PLANNER AND TRACKER

- 1) To mediate the amendments of the trimmed and re-organised 2021 Annual Teaching Plan including School-Based Assessments for Mathematics Grade 5.
- 2) To ensure that meaningful teaching continues during the remaining teaching time as per the school calendar for TERM 4.
- 3) To assist teachers with guided pacing and sequencing of curriculum content and assessment.
- 4) To enable teachers to cover the core skills and knowledge in each grade within the available time.
- 5) To assist teachers with planning for the different forms of assessment.
- 6) To ensure learners are adequately prepared for the subsequent year/s in terms of skills, knowledge, attitudes and values.

PREAMBLE

It must be emphasized that term 1, term 2 and term 3 content coverage by teachers were impacted by COVID-19. Schools were particularly disrupted by the fact that learners only attended school for 50% of the time and had to endure variations of the rotation system implemented in the schools. Disruption in schools has also meant disruption in different forms of assessment, so it has been hard to fully pin down exactly how much the school closures and transitions in and out of virtual learning have affected students' mathematical learning, but the evidence so far does not bode well.

Curriculum coverage in term 1, 2 and 3 must be viewed and implemented in term 4, in the light of some contextual realities that includes the following:

- 1) 2020 was an abnormal year in terms of content coverage. Learners have progressed to a higher grade level without learning all the core skills required for that grade.
- 2) Some learners were not in school for most of 2020 and perhaps part of 2021.
- 3) Mathematics is almost always formally learned at school. Many of our parents are often less well-equipped to help their children with mathematics, at a time when parent support can be even more crucial to student progress. This means that the burden falls directly on our teachers.

4) Broader stress and trauma related to the pandemic may worsen existing mathematics anxiety in some students, and mathematics anxiety can exacerbate students' other stress while in class.

Awareness of the above challenges and the consequent assumptions that emerge out of it, is crucial for the implementation of the Revised ATPs emphasizing the recovery of skills not yet mastered in mathematics. This Planner and Tracker is in alignment with the theme of recovery of skills not learnt and covers the following:

- 1) aims to ensure that the critical skills, knowledge, values and attitudes outlined in the ATPs are covered over this time period.
- 2) Curriculum Reorganisation and Trimming for this term purports to reduce the envisaged curriculum to manageable core content, skills, knowledge, attitudes and values to enhance deep and meaningful learning.
- 3) Create opportunities through adjusted ATPs to strengthen pre-knowledge, consolidation, revision, and deeper learning.
- 4) The Planner and Tracker clearly define the core knowledge, skills, attitude to be taught and assessed more specifically to guide and support teachers.
- 5) It also aligns curriculum content and assessment to the available teaching time. Entrench assessment for learning as a Pedagogical Approach to address the learning losses.
- 6) Be used as planning tool to inform instruction during the remaining school terms.

ADJUSTED SCHOOL CALENDAR

SCHOOL TERMS	DATES	TEACHING DAYS
Term 1	15 February - 23 April	50(10 weeks)
Term 2	3 May – 9 July	50(10 weeks)
Term 3	26 July – 01 October	50(10 weeks)
Term 4	11 Oct - 15 Dec	48(10 weeks)

NOTES:

- TEACHING APPROACH in this term assumes that ALL learners are attending schools and the Rotation system may not be implemented meaning that schools may implement normal timetable.
- NECT TERM 4 Planner and Tracker has 48 teaching and learning days, of which 15 days are used for formative and summative Assessment days.
- NECT Term 4 Planner and Tracker focuses on Deep learning through assessment for learning - There is no time for assessment that does not inform the way forward. Teachers should consolidate, revise and remediate through error analysis that leads to skills mastery.

MANAGING TIME ALLOCATED IN THE TRACKER

- The tracker for each term contains details of work to be covered over 60 lessons per term, six per week for ten weeks.
- The CAPS prescribes **Six hours** of Mathematics per week in Grade 5.
- Each school will organise its timetable differently, so the programme of lessons is based on work in the Learner's Book and DBE workbook, which should take just over an hour per day to complete.

- You might have to divide the sessions in the programme slightly differently to accommodate the length of the lessons at your school.
- Depending on the pace at which your learners work, and how much support is needed,
- you might also have to supplement the set activities by using other resources to ensure that the full six hours allocated to teaching Mathematics is used constructively.
- The breakdown of work to be done each week corresponds to the 'annual teaching plan and programme of assessment' drawn up by the Provincial Department of Education; however, the tracker gives a more detailed outline of what should be taught each day.
- This tracker is designed for a term that is 10 weeks long.
- In most weeks, one lesson is set aside for you to catch up on work not done in the previous five lessons, or to provide remedial support or enrichment.
- The formal teaching programme, some revision, and the term test should be completed by the end of Week 9.

<u>REMEMBER</u>: The teacher should employ group teaching based on principles of differentiation – cater for the needs of every learner by making sure every learner masters the fundamental skills in mathematics. The teacher is also mindful to plan well for effective assessment for learning to inform the remediation and teaching, through the skills mastery approach applied in this Planner and Tracker.

LINKS TO THE DBE WORKBOOKS

The tracker gives links to worksheets in the DBE workbooks relevant to the content described for each day. The worksheets are referred to by worksheet number and page number. These workbooks should be used in conjunction with the Learner's Book activities. You should review the suggested worksheets before each lesson and decide how best to use them – for teaching, revision, extension or consolidation, in class or for homework.

TEACHING TIME

Since there are 6 hours allocated for Mathematics per week, the following is a suggested plan for daily lessons.

WEEK: 6 hours				
Consolidation of Concepts – skills mastery and other New Concept – class activity	10 min 50 min			

CONTENT COVERAGE

TERM 4	Week 1 4 days	Week 2 5 days	Week 3 5 days	Week 4 5 days:		Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 3 days
Hours per week	5 hrs.	6 hrs.	6 hrs.	6 hrs.		6 hrs.	6 hrs.	6 hrs.	6 hrs.	6 hrs	3 hrs.
Hours per topic		12 hrs.		6 hrs.		6 hrs.		12 hrs.	6 hrs.	6 hrs	3 hrs.
Topics, concepts and skills	VOLUME O Perimeter • Measure rulers or Measureme • Find are irregular counting in order understa units Measureme • Find vol objects I them in 0	R: AREA AND F 2 D SHAPES e perimeter using measuring tapes and to f area as of regular and shapes by squares on gridu to develop an anding of square ent of volume une/capacity of fill by packing of filling order to develop anding of cubic	s - Estimate an - Solojects instruments - measuri - mea	uring d practically measure using measuring such as: ng spoons ng cups,	Read, tei and 24-h analogue – hour minu, – secc Instrume and stop Reading cal Calculation: time include problems calculatiti time is gi – secc minu, – hour – hour – hour	ites inds inds inds inds endars s and problem solving is in contexts involving time on of time intervals where ven in inds and/or minutes tes and/or hours s and/or days , weeks and/or months	TO SOLVE PR(Solving proble vhole numbe including: - financial - measure - fractions equal sh - compari of the sa - compari	ns in contexts involvi rs and fractions, contexts ement contexts , including grouping ;	ng and	FORMAL ASSESSMENT TASKS TEST All Term 3 and Term 4 topics	FORMAL ASSESSMENT TASKS TEST All Term 3 and Term 4 topics
CORE	Ξ	0	DID ALL LE	EARNERS		DID ALL LE	ARNERS		NEW		
QUES	QUESTIONS		MASTER T	ERM 1 an	d	MASTER TE	ASTER TERM 3 SKILLS? C		CONCEPTS/CONTENT		ENT
		t	erm 2 SK	ILLS?							

RECOMMEN-	1.	Implement at least two Skills Mastery (SM)	NEW
DATION		formative assessments every week.	CONCEPTS/CONTENT
	2.	Consolidation of Concepts – 10 minutes – twice a	
		week apply 5-item SM assessments.	
	3.	Teacher – can use SM as individual, pair, small	
		group, or whole class activity.	
	4.	Aim – to consolidate, remediate and work towards	
		mastery.	
	5.	Record – monitor learners who have learning gaps	
		in the REFLECTION section of the Tracker	

WEEKLY PLANNER AND TRACKER

RECOMMENDATION

<u>BASELINE TERM 4</u>: Implement DBE Diagnostic or see baseline exemplar in Planner and Tracker or any similar diagnostic – Based on term 1, 2 and 3 core skills. Teachers are encouraged to use the exemplar, based on what content they have completed. Meaning teachers can select different items in the diagnostic for their purposes.

<u>WHEN</u>: Day 1, allow learners to complete individually and/or work with ability groups based on your classroom context. Day 2 is set aside for remediation purposes.

<u>NUMBER OF ITEMS</u>: Grade 5 = 20 items – depending on your context and ability groups <u>ITEM BANK</u>: Items can also be drawn from previous:

1) BASELINE/READINESS assessment, 2) Assessment Resources in this TRACKER or 3) the DBE Item Bank and 4) PREPARATION: Test, Marking Guideline/s, Marksheet and apparatus.

11 – 15 October 2021

	Week 1			
Lesson	ATP Content	concepts, skills	Resourc es	Date
1		Baseline: (Revision,		

		consolidation of 1,2 & 3 skills)	term	
2		Baseline: Reme – error analysis	diation	
3	PERIMETER, AREA & VOLUME OF 2-D SHAPES Perimeter: Measure perimeter using rulers or measuring tapes	calculate length perimeters.	s and Bk 1 No. R11 (pp. xxxiv & xxxv)	
4	PERIMETER, AREA & VOLUME OF 2-D SHAPES Perimeter: Measure perimeter using rulers or measuring tapes	calculate length perimeters.	s and Bk 2 No. 127 (pp. 154 & 155)	
5	PERIMETER, AREA & VOLUME OF 2-D SHAPES Measurement of area: Find areas of regular and irregular shapes by counting squares on grids in order to develop an understanding of square units	Understanding s units Find areas of re and irregular sh Draw diagrams show difference area.	gular xxxvi &	
6	PERIMETER, AREA & VOLUME OF 2-D SHAPES Measurement of area: Find areas of regular and irregular shapes by counting squares on grids in order to develop an understanding of square units	Understanding s units Find areas of re and irregular sh Draw diagrams show difference area.	No. 128 (pp. 156 & gular 157) apes to	
 The E FOR The c admir 	the teacher. Baseline Assessment can be administered one- learning. onus is on the teacher to prepare substantial ac nistered. are well - study the Baseline Assessment i.e. fa	tivities for the rest	of the learners while the Baseline	Assessment is being
	Reflection			
	THE LEARNERS LEARN THE WEEKLY ARE THEY ABLE TO:	What will	you change next time? Why	?
	culate lengths and perimeters. Ierstanding square units	Strugglin	g Learners Names:	

- •
- •
- Calculate lengths and perimeters. Understanding square units Find areas of regular and irregular shapes Draw diagrams to show differences in area. Find areas of regular and irregular shapes •

18 - 22 October 2021

	Week 2				
Lesson	ATP Content		DBE workbook	Resource	Date
		skills		S	
	PERIMETER, AREA & VOLUME OF 2-D	Find areas of	Bk 2		
	SHAPES	regular and	No. 129 (pp. 158 &		
7	Measurement of area:		159)		
	Find areas of regular and irregular shapes	shapes			
	by counting squares on grids in order to	Count number			

HOD:

Date:

	douglon on understanding of square units	of cauaro			
	develop an understanding of square units	of square units.			
		Measure lengths			
		accurately			
	PERIMETER, AREA & VOLUME OF 2-D SHAPES Measurement of volume	of objects	Bk 1 No. R13 (pp. xxxviii & xxxix)		
8	Find volume/capacity of objects by packing or filling them in order to develop an understanding of cubic units	Understand cubic units as measurement unit			
	PERIMETER, AREA & VOLUME OF 2-D SHAPES Measurement of volume	volume of objects by	Bk 2 No. 130 (pp. 160 & 161)		
9	Find volume/capacity of objects by packing or filling them in order to develop an understanding of cubic units	counting cubes Understand cubic units as measurement unit			
	PERIMETER, AREA & VOLUME OF 2-D SHAPES Measurement of volume	volume of objects	Bk 2 No. 131 (pp. 162 & 163)		
10	Find volume/capacity of objects by packing or filling them in order to develop an understanding of cubic units	Show length, width and height of blocks			
	PERIMETER, AREA & VOLUME OF 2-D SHAPES Measurement of volume	volume of objects	Bk 2 No. 132 (pp. 164)		
11	Find volume/capacity of objects by packing or filling them in order to develop an understanding of cubic units	Show length, width and height of blocks			
12	Assessment Activity: Consolidate and revise remediate for understanding – use SM Activ		fraction understand	ing,	
Reflection	on				
ABLE TO		S? ARE THEY	What will you cha Why?	inge next tin	ne?
•	Find areas of regular and irregular shapes Count number of square units. Measure lengths accurately Understand cubic units as measurement un Finding capacity/ volume of objects by cour		Struggling Learners Names?		s?
•	Finding capacity/ volume of objects Show length, width and height of blocks	-	HOD:		
			Date:		

25 – 29 October 2021

	Week 3				j .
Lesson	ATP content	concepts, skills	DBE workbook	Resources	Date

13	PERIMETER, AREA & VOLUME OF 2-D SHAPES Measurement of volume Find volume/capacity of objects by packing or filling them in order to develop an understanding of cubic units	Finding capacity/ volume of objects Show length, width and height of blocks	Bk 2 No. 132 (pp. 165)
14	CAPACITY/VOLUME Practical Measuring Estimate and practically measure 3-D objects using measuring instruments such as:- measuring spoons- measuring cups,- measuring jugs Record, compare and order capacity and volume of 3D objects in (ml) and litres (I)	Using appropriate measuring tools. Finding capacity of objects Apply units of measurement Convert between litres, millilitres	Bk 1 No. 24a (pp. 74)
15	CAPACITY/VOLUME Practical Measuring Estimate and practically measure 3-D	Using appropriate measuring tools. Finding capacity of objects Apply units of measurement Convert between litres, millilitres	Bk 1 No. 24a (pp. 75)
16	CAPACITY/VOLUME Practical Measuring Estimate and practically measure 3- D objects using measuring instruments such as:- measuring spoons- measuring cups,- measuring jugs Record, compare and order capacity and volume of 3D objects in (ml) and litres (l)	Comparing capacity and volume. Record results of problem-solving	Bk 1 No. 24b (pp. 76)
17	CAPACITY/VOLUME Practical Measuring Calculations and problem- solving	Comparing capacity and volume. Record results of problem-solving	Bk 1 No. 24b (pp. 77)
18	Assessment Activity: Consolidate and re remediate for understanding – use SM		fraction understanding,
	Reflection		

	HOD:	Date:
 Finding capacity/ volume of objects Show length, width and height of blocks Using appropriate measuring tools. Apply units of measurement Convert between litres, millilitres Comparing capacity and volume. Record results of problem-solving 	Struggling Learners names:	
DID ALL THE LEARNERS LEARN THE WEEKLY SKILLS? ARE THEY ABLE TO:	What will you change next time? Why?	

1 – 5 November 2021

	Week 4				
Day	ATP Content	CAPS content, concepts, skills	DBE workbook	Resour ces	Date
19			Bk 1 No. 20a (pp. 60 & 61)		
20	TIME: Reading time and time instruments: Read, tell and write time in 12-hour and 24- hour formats on both analogue and digital instruments in:- hrs- mins - secs Instruments include clocks, watches and stopwatches. Reading calendars		Bk 1 No. 20b (pp. 62)		
21	TIME: Reading time and time instruments: Read, tell and write time in 12-hour and 24- hour formats on both analogue and digital instruments in:– hrs– mins – secs Instruments include clocks, watches and stopwatches. Reading calendars	Calculate differences in time using hrs and mins.	Bk 1 No. 20b (pp. 63)		
22	TIME:	Calculate time in years, decades	Bk 1 No. 21 (pp. 64)		
23	TIME: Calculations and problem-solving time include problems in contexts involving time, calculation of time intervals where time is given in: – seconds and/or minutes, minutes and/or hours– hours and/or days – days, weeks and/or months, years and/or decades	Calculate time in years, decades	Bk 1 No. 21 (pp. 65)		

24 Assessment Activity: Consolidate and revise – assess learners fraction understanding, remediate for understanding – use SM Activities				
Reflection				
 DID ALL THE LEARNERS LEARN THE WEEKLY SKILLS? ARE THEY ABLE TO: Calculate time in am and pm. Use analogue instrument Use digital instrument. Calculate differences in time using hrs and mins. Calculate time in years, decades 	What will you change next time? Why? Struggling Learners Names:			
	HOD: Date:			

8 – 12 October 2021

	Week 5				
Day	ATP Content	concepts, skills	DBE workbook	Resources	Dat e
	USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT NUMBER SENTENCES SOLVING PROBLEMS- Solve problems in contexts involving whole numbers and fractions, including:- financial contexts- measurement contexts- fractions, including grouping and equal sharing- comparing two or more quantities of the same kind (ratio)- comparing two quantities of different kinds (rate)	between ratio and rate Solve problems in context	Bk 1 No R7a (pp. xxiv & xxv) No R7b (pp. xxvi & xxvii)		
	USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT NUMBER SENTENCES SOLVING PROBLEMS- Solve problems in contexts involving whole numbers and fractions, including:- financial contexts- measurement contexts- fractions, including grouping and equal sharing- comparing two or more quantities of the same kind (ratio)- comparing two quantities of different kinds (rate)	Solve fraction problems in measurement	No R9 (pp. xxx & xxxi)		
	TO SOLVE PROBLEMS IN CONTEXT	polying money problems	Bk 1 No R10 (pp. xxxii & xxxiii) Bk 2 No. 83 (pp. 44 & 45)		

	· · · · · · · · · · · · · · · · · · ·					
	equal sharing– comparing two or more quantities of the same kind (ratio)– comparing two quantities of different kinds (rate)					
28		solve prob context.	ey problems lems in financial	Bk 1 No 32 (pp. 100 & 101) No. 33 (pp. 102 & 103)		
29	USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT NUMBER SENTENCES	different co Solving fra measuring capacity	ction problems in	No 73 (pp. 18 &		
30	Assessment Activity: Consolidate and understanding, remediate for underst			ction		
	Reflection				·	
Reflection DID ALL THE LEARNERS LEARN THE WEEKLY SKILLS? ARE THEY ABLE TO: • Describe the difference between ratio and rate • Solve problems in context • Solve problems in context • Solve problems in a financial context • Solve problems in a financial context • Solving money problems using a budget • solve money problems • Solving fraction problems in different contexts		What will you ch	nange next time? W	/hy?		
• 5	Solving fraction problems in measurir ontexts/ capacity		HOD:		Date:	

15 – 19 November 2021

	Week 6				
Day	ATP Content	concepts, skills		Resourc es	Date
31	USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT NUMBER SENTENCES SOLVING PROBLEMS- Solve problems in contexts involving whole numbers and fractions, including:- financial contexts-	sharing to solve problems	Bk 1 No. 18a (pp. 54 & 55) No. 18b (pp. 56 & 57)		

	measurement contexts- fractions, including grouping and equal sharing-		No. 59a (pp. 164 & 165)
	comparing two or more quantities of the same kind (ratio)– comparing two quantities of different kinds (rate)		
32	SOLVE PROBLEMS IN CONTEXT NUMBER SENTENCES SOLVING PROBLEMS- Solve problems in contexts involving whole numbers and fractions, including:- financial contexts- measurement contexts- fractions, including grouping and equal sharing- comparing two or more quantities of the same kind (ratio)- comparing two quantities of different kinds (rate)		Bk 1 No 36 (pp. 108 & 109) Bk 2 No. 115 (pp. 126 &127) No 116 (pp. 128 & 129)
33	USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT NUMBER SENTENCES SOLVING PROBLEMS- Solve problems in contexts involving whole numbers and fractions, including:- financial contexts- measurement contexts- fractions, including grouping and equal sharing- comparing two or more quantities of the same kind (ratio)- comparing two quantities of different kinds (rate)	Solve rate problems Solve ratio problems	Bk 1 No. 45 (pp. 132 & 133) No. 60 (pp. 166 & 167)
34	USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT NUMBER SENTENCES SOLVING PROBLEMS- Solve problems in contexts involving whole numbers and fractions, including:- financial contexts- measurement contexts- fractions, including grouping and equal sharing- comparing two or more quantities of the same kind (ratio)- comparing two quantities of different kinds (rate)	Solving problems in financial contexts Solving problems involving division	Bk 2 No. 110 (pp. 108 & 109) No. 126a (pp. 150 & 151) No. 126b (pp. 152 & 153)
35	USE ALL FOUR BASIC OPERATIONS TO SOLVE PROBLEMS IN CONTEXT NUMBER SENTENCES SOLVING PROBLEMS- Solve problems in contexts involving whole numbers and fractions, including:- financial contexts- measurement contexts- fractions, including grouping and equal sharing- comparing two or more quantities of the same kind (ratio)- comparing two quantities of different kinds (rate)		Bk 2 No. 114a (pp. 122 & 123) No. 114b (pp. 124 & 125)
36	Complete and consolidate the week's a	assessment and work.	
	Reflection		

	D ALL THE LEARNERS LEARN THE WEEKLY ILLS? ARE THEY ABLE TO:	What will you change next time? Why?	
•	Using grouping and sharing to solve problems		
•	Using grouping and sharing to solve fraction problems	Struggling Learners Names:	
•	Solve rate problems		
•	Solve ratio problems		
•	Solving problems in financial contexts		
•	Solving problems involving division		
•	Using fractions of whole numbers to solve		
	problems	HOD:	Date:

22 – 26 November 2021

	Week 7					
Day	ATP Content	conce	epts, skills	DBE workbook	Resources	Date
37	Consolidation assessment 1					
38	Remediation					
39	Skills Mastery assessments 11 and 12					
40	Consolidation assessment 2					
41	Remediation					
	Assessment activity: remediation of and enrichment cards for the learne			earners have not ful	ly understood	
	Reflection					
	DID ALL THE LEARNERS LEARN THE WEEKLY SKILLS? WHAT ARE THEY ABLE TO MASTER: What will you change next time? Why?					
			Struggling Lea	rners Names:		
			HOD:		Date:	

29 November – 3 December 2021

	Week 8				
Day	ATP content	concepts, skills	DBE workbook	Resources	Date
43	Consolidation assessment 3				

44	Remediation					
45	Skills Mastery assessments – selected items from term 3					
46	Consolidation assessment 4					
47	Remediation					
48	Assessment activity: remediation of co and enrichment cards for the learners v			arners have not fully	understood	
	Reflection					
	LL THE LEARNERS LEARN THE WEEKLY SKILLS ARE THEY ABLE TO MASTER?	' SKILLS?	What will	you change next tim	ne? Why?	
			Struggling	g Learners Names:		
			HOD:		D	ate:

6 – 10 December 2021

	Week 9			_	
Day	ATP content	concepts, skills	DBE workbook	Resources	Date
49	FORMAL ASSESSMENT TASK				
	TEST – term 3 and 4 concepts				
50	FORMAL ASSESSMENT TASK				
	TEST – term 3 and 4 concepts				
51	FORMAL ASSESSMENT TASK				
	TEST – term 3 and 4 concepts				
52	FORMAL ASSESSMENT TASK				
	TEST – term 3 and 4 concepts				
53	FORMAL ASSESSMENT TASK				
	TEST – term 3 and 4 concepts				
54	FORMAL ASSESSMENT TASK				
	TEST – term 3 and 4 concepts				
	Reflection	- I			
		What will you cha	nge next time? Wh	ıy?	
		HOD:		Date:	

13 - 15 December 2021 (three-day week)

	Week 10					
Day	ATP content	conce	pts, skills	DBE workbook	Resources	Date
55	FORMAL ASSESSMENT TASK TEST – term 3 and 4 concepts					
56	FORMAL ASSESSMENT TASK TEST – term 3 and 4 concepts					
57	FORMAL ASSESSMENT TASK TEST – term 3 and 4 concepts					
58						
59						
60						
	Reflection		_			
Identify some skills that need revising during the next term in 2022			What will you change next time? Why?			
			Struggling	Learners Names	:	

ASSESSMENT RATIONALE AND RESOURCES

Assessment Term Plan

The assessment term plan gives an overview of

- 1) how the formal and informal assessment programme fits into the weekly lesson plans.
- 2) How the skills mastery assessments fit into the weekly lesson plans

Note:

- There is ONE FORMAL Assessment tasks: 1) Test
- The Skills mastery assessments aimed at consolidating, revising and remediating skills already covered this year are added at the end of the document.

Written assessment tasks are to be selected and marked by teachers in appropriate lessons according to the lesson plans. Teachers may wish to group the items or use them individually.

Week	(Tuesdays and Thursdays)	Formative Assessment Activities: Aimed to enhance Revision Programme
1	Baseline Assessment	Baseline Assessment

2	Tuesday Skills mastery Assessment 1 Thursday Skills mastery Assessment 2	
3	Tuesday Skills mastery Assessment 3 Thursday Skills mastery Assessment 4	
4	Tuesday Skills mastery Assessment 5 Thursday Skills mastery Assessment 6	
5	Tuesday Skills mastery Assessment 7 Thursday Skills mastery Assessment 8	
6	Tuesday Skills mastery Assessment 9 Thursday Skills mastery Assessment 10	
7	Lesson 3 Skills mastery Assessment 11 Skills mastery Assessment 12	Lesson 1 and 2: Consolidation Assessment 1 plus Remediation Lesson 4 and 5: Consolidation Assessment 2 plus Remediation
8	Lesson 3 Selected items for SMA	Lesson 1 and 2: Consolidation Assessment 1 plus Remediation Lesson 4 and 5: Consolidation Assessment 2 plus Remediation
9		FORMAL ASSESSMENT TASK – Test
10		FORMAL ASSESSMENT TASK – Test

Exemplar Written Assessment ITEMS with marking memos.

The exemplar items can be used as a baseline diagnostic pre-assessment, but can be used, later in the term, as a post-assessment to monitor learning.

The skills mastery items can be used as a secondary assessment, both to monitor progress in learning skills and mastery of skills. For example, the teacher can select 5 items from the first three Skills Mastery Assessments (a selection from 15 items) and use it for end of week assessments. End-of-week days have been planned for this purpose, as well as for consolidating the learning of the week's content.

- Written assessments is to be done in addition to oral and practical assessment to carry out meaningful continuous assessment throughout the term.
- You need to plan when you will do a written assessment. We suggest you do it at the end-of week.
- The questions provided in the exemplar and Skills Mastery Assessments are taken from past written assessment papers and assessments generally, that were previously in the

lesson plans. We suggest you use selected items as smaller written assessment tasks. This aligns better with the curriculum objective of continuous assessment.

• There is one lesson "slot" per week that is assigned for you to catch up or consolidate the lesson plan content covered in the week's lessons. This lesson should also be used for the purpose of carrying out written assessment tasks or to complete oral or practical tasks for that week.

ITEM BANK FOR DIAGNOSTIC: EXEMPLAR

Surn	ame:			
Nam	e:			
Date	of birth:	 Date:	37	
INST	RUCTIONS TO LEARNERS:]
1. Th	e use of calculators and cellphones is not allowed.			
2. Do	your calculations and/or write your answers in the s	aces provided.		
3. Du	ration of examination: 30 Minutes.			
	TON 1: Mental mathematics			7 marks
1.	12 000 + 3 + 5 000 + 40 + 200			(1)
	=			
2.	Is 5 a factor of 100?			(1)
3.	Fill in > ; < ; or =			(1)
	356 178356 187			(1)
4.	Fill in the missing number: (5 + 3) x= 56			(1)
5.	Is 19 + 6 = 45 – 20			(1)

	Round off 745 863 to the nearest 1 000	(1
	3 600 ÷ 100	(1)
ст	= ION 2: OPERATIONS	12 marks
•	Write the answers in the spaces provided and show all your working out You may use ANY method 1 mark for working out and 2 marks for the correct answer	
	34 188 + 38 569 =	(3
	 72 757 – 38 569 =	
	867 X 38 =	(
	497 ÷ 26 =	(3
сті	ION 3: FRACTIONS	5 marks

• Use the fraction wall to help you answer the following questions

	1															
1 2								$\frac{1}{2}$								
11 33						1 3										
114						1111										
	<u>1</u> 5			1	-	1_ 1_ 5 5				1_ 5						
1	1 6			1_ 6		1 1 1 6 6 6			1	1 6						
1 8			1_8		1_ 8		1_ 8	1_ 8	1_ 1_ 8 8		1_ 8			1_ 8		
1 10		1 10		1 10	1 10		$\frac{1}{10}$	1 10		1 10		1	1	1 10		1 10
1 12	1	1	1 12	1 12		1 12	1 12	1 12		1 12		1 12	1 12	1	12	1 12

12. Fill in the missing number
$$\frac{6}{12} = \frac{-2}{2}$$
 (1)

13. Use the fraction wall to write these fractions from the biggest to the smallest

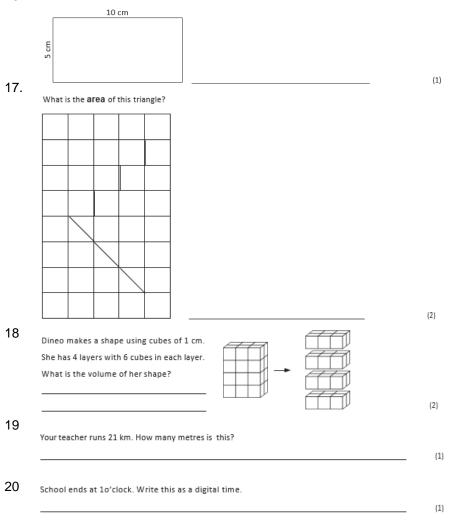
$$\frac{1}{8}; \frac{1}{6}; \frac{1}{2}; \frac{1}{10}$$
 (1)

14. Find the answer to
$$1\frac{3}{4} + 1\frac{2}{4}$$
 (2)

15. What is
$$\frac{2}{3}$$
 of 24 (1)

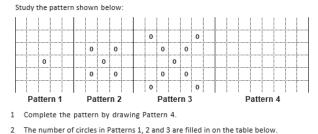
MEASUREMENT

16 What is the **perimeter** of this rectangle?



PATTERNS, FUNCTIONS AND ALGEBRA

21.



(1)

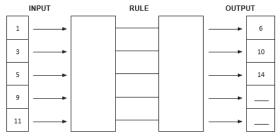
Fill in the number of circles used for Pattern 4 and Pattern 5 on the table.

Pattern	1	2	3	4	5
Number of circles	1	5	9		

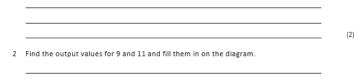
(2)

{2}

22. Look at the pattern in the flow chart below



1 Work out the 2 step rule and fill it in on the diagram.



SOLUTIONS AND MEMORANDUM

Note 1: The last column in the memorandum shows the **cognitive level** for each question in the examination. The levels are:

к	Knowledge: straight recall; use of mathematical facts and vocabulary; rounding off.
RP	Routine procedure: perform well known procedures; simple applications.
СР	Complex procedure: problems involving complex calculations and/or higher order reasoning.
P\$	Problem solving: non-routine problems; higher order understanding and processes.

Note 2: The third column in the memorandum shows the **content area** for each question in the examination. The key for the content areas is:

1	Numbers, operations and relationships						
2	Patterns, functions and algebra						
3	Space and shape						
4	Measurement						
5	Data handling						

Questions	Marks	Content	-
		area	level
SECTION 1: Mental mathematics		4	7 marks
1. 12 000 + 3 + 5 000 + 40 + 200 = 17 243 ✓	(1)	1	K
2. Is 5 a factor of 100? Yes ✓	(1)	1	K
3. Fill in > ; < or = 35 678 ≤ √ 3 5 687	(1)	1	К
4. (5 + 3) x <u>7</u> ✓ = 56	(1)	1	К
5. Is 19 + 6 = 45 − 20 Yes (both sides are equal to 25) ✓	(1)	1	к
 Round off 45 863 to the nearest 1 000 46 000 ✓ 	(1)	1	К
7. 3 600 ÷ 100 = 36 ✓	(1)	1	К
Questions	Marks	Content area	Cognitive level
SECTION 2: Operations			12 marks
8. $34\ 188 + 38\ 569 =$ 1 mark for the correct place value 2 marks for the correct answer 30 000 + 4 000 + 100 + 80 + 8 30 000 + 8 000 + 500 + 60 + 9 = <u>60 000 + 12 000 + 600 + 140 + 17</u> / 60 000 + 10 000 + 2 000 + 600 + 100 + 40 + 10 + 7 = 70 000 + 2 000 + 700 + 50 + 7 = <u>72 757</u> $\sqrt{/}$ OR <u>The TH H T U</u> ¹³ 4 ¹¹ ¹⁸ 8 $$ + <u>3 8 5 6 9</u> <u>7 2 7 5 7</u> $\sqrt{/}$	(3)	1	RP
9. $72757 - 38569 =$ 1 mark for the correct place value 2 marks for the correct answer 60000 + 12000 - 600 + 140 + 17 70000 + 2000 + 700 + 50 + 7 (30000 + 8000 + 500 + 60 + 9) = 30000 + 4000 + 100 + 80 + 8 30000 + 4000 + 100 + 80 + 8 $= 34188 \sqrt{4}$ OR 10000 + 100 + 100 + 80 + 8 $= 34188 \sqrt{4}$ OR 100000 + 100 + 100 + 80 + 8 $= 34188 \sqrt{4}$ 1000000 + 100 + 100 + 80 + 8 $= 34188 \sqrt{4}$ 100000000 + 100 + 100 + 80 + 8 $= 34188 \sqrt{4}$ 1000000000000000000000000000000000000	(3)		RP

Questions			Marks	Content area	Cognitive level
10. 867 x 38 =			(3)	1	RP
= (867 x 40) - (867 x 2)					
= 867 x 4 x 10 – (double 867) √					
= 34 680 - 1 734					
= <u>32 946</u> VV					
OR					
867 x 38					
= (867 x 30) + (867 x 8) √					
= (867 x 3 x 10) + (867 x 2 x 2 x 2)					
= 26 010 + 6 936					
= 32 946 🗸					
11. 497 ÷ 26 =			(3)	1	RP
Divide 497 into groups of 26	497				
Subtract 10 × 26 = 260	- 260	10			
	237				
Subtract 5 × 26 = 130	- 130	5			
	107				
Subtract 2 × 26 = 52	- 52	2			
	55				
Subtract 2 × 26 = 52 ✓	- 52	2			
	3 3	19			
So 497 ÷ 26 = 19 remainder 1√√	<i>,</i>				
1 x 26 = 26					
2 x 26 = 52 3 x 26 = 78					
4 x 26 = 104					
5 x 26 = 130 (half of 260)					
10 x 26 = 260					
Questions			Marks	Content	Cognitive
Questions			marks	area	level
SECTION 3: Fractions					5 marks
12. $\frac{6}{12} = \frac{1}{2} \checkmark$			(1)	1	RP
13. $\frac{1}{2}:\frac{1}{6}:\frac{1}{8}:\frac{1}{10}\checkmark$			(1)	1	RP
14. $1\frac{3}{4} + 4\frac{2}{4}$ OR $1\frac{3}{4} + 4\frac{2}{4}$			(2)	1	RP

		area	lever
SECTION 3: Fractions			5 marl
12. $\frac{6}{12} = \frac{1}{2} \checkmark$	(1)	1	RP
13. $\frac{1}{2}:\frac{1}{6}:\frac{1}{8}:\frac{1}{10}\checkmark$	(1)	1	RP
14. $1\frac{3}{4} + 4\frac{2}{4}$ OR $1\frac{3}{4} + 4\frac{2}{4}$	(2)	1	RP
$=5\frac{5}{4}$ \checkmark $=\frac{7}{4}+\frac{18}{4}$			
$= 6\frac{1}{4} \checkmark \qquad $			
$= \frac{61}{4} \checkmark$			
15. $\frac{1}{3}$ of 24 = 8	(1)	1	RP
So ≟of 24 = 2 x 8 = 16 ✓			

SECTION 5:	Meas	uren	nent	:							7 marks
16. Perimeter	r = 30	(1)	4	RP							
(10 cm +	10 cm										
(10 cm + 10 cm + 5 cm + 5 cm) 17. Area = 9 squares √√										4	СР
(6 whole	-			alf-so	uar	esi			(2)		
18. 24 cubes			0 110		10.01		,		(2)	4	СР
19.21 km = 2) m	/						(1)	4	RP
20. 1 o'clock	= 13:0	0 0	R 1.	00pi	m	/			(1)	4	RP
SECTION 6:	PATT	ERN	IS								7 marks
21. 21.1 1 ma	rk for a	corre	ctly	draw	ing	Pa	ttern 4	1	(1)	2	CP
						0					
					~						
	0				·						
		0		0							
	0				0						
a						0					
		Pat	tern	4							
21.2 P	attern		1	2	3	Τ	4	5	(2)	2	СР
	umbe	r of				$^{+}$	4.0	47	(2)	-	0.
ci	rcles		1	5	9		13 🗸	17 🧹			
22. 22.1 Rules: + 2 ✓ X 2 ✓										2	СР
22.2 22 ✓										2	СР
26 √										2	CP

SKILLS MASTERY ASSESSMENTS

Rationale

- A Skills Mastery Assessment (SMA) is one in which there is an iterative revisiting of skills, topics, subjects or themes throughout the year.
- SMA is not simply the repetition of a topic taught. It requires the deepening of it, with each successive encounter building on the previous one.
- SMA is critical in today's educational environment, especially in mathematics, where we must consistently give our learners the opportunity to revisit and practice skills they have already learned aimed at mastery.
- The traditional practice is to incorporate consolidating, revising or reviewing, through homework, morning work, small group instruction, and even after school math classes. Through SMA we are going to continuously review skills and concepts with our students.
- It makes sense that we would continue to assess their understanding on those same skills by changing the context of the question using C-P-A-W (Concrete – Pictorial – Abstract -Worded)
- When we first teach and assess a skill, many of our students have yet to master it. By incorporating a SMA activity into your classroom, you are providing your students with the opportunity to demonstrate their growth and understanding on a regular basis.

• These regular SMAs help you see where your students are always struggling. You can use the results to guide your small group instruction and customize your lessons and activities to meet the needs of your students, not just the covering of curriculum.

Implementation

- In every lesson plan there are 10 minutes set aside for consolidation and revision, meaning one could apply SMA every day for 10 minutes, before teaching a new concept for that day.
- Each SMA is using a five-item design to ensure teachers can complete it in 10 minutes.
- As a minimum, this Planner and Tracker, recommends the use of Tuesdays and Fridays, but teachers could use every day.
- Each Tuesday and Thursday you are encouraged to take 10 minutes and give a SMA to the whole class, or groups. Learners should be able to take about 5 minutes to complete then the teacher must remediate by addressing errors, misconceptions and misunderstandings.
- Teachers could also use the data from the SMA to help plan small group lessons for the next week.
- Teachers could also pull different students for different skills until the teacher felt confident that the learners were more confident in their responses. Then next week, repeat....new set of SMAs, similar skills being assessed, new data for small group instruction.
- These daily SMAs should be seen as a progress monitoring tool as well. This will prove to be effective in letting teachers know how their most struggling students are progressing.

<u>SM Assessment 1</u>	Growing patterns
	Fill in the missing numbers
	Use a rule to complete a number sequence
	Number sequences: mixed review
	Division and Multiplication
SM Assessment 2	Time: Draw hands on the clocks
<u></u>	Write the times in minutes and seconds
	Place Value up to 100 000
	Which number in the pattern comes next?
	Flow Diagram
SM Assessment 3	Activities to consolidate the Bonds and factors.
<u> </u>	Focus: Repeated addition, leading to multiplication.
	Name the different 3D shapes
SM Assessment 4	Rounding off to the nearest 1000
	Perimeter of a rectangle
	Tell time 24 hours
	Fill in the number line - fractions
SM Assessment 5	Label the fraction showing numerator and
	denominator
	Fill in the missing answers – fractions
	Arrange the numbers from smallest to biggest
	Prime factors
	· · · · · · · · · · · · · · · · · · ·

SKILLS MASTERY SKILLS PER 5-ITEM ASSESSMENT

Cal a constant a	Addition, subtraction, multiplication and division
<u>SM Assessment 6</u>	
	terms Company de simple
	Compare decimals
	Order fractions with like numerators or
	denominators
	Order fractions
	Find smaller or larger fractions
<u>SM Assessment 7</u>	Replace by adding bigger, smaller or equal
	Addition patterns over increasing place values
	Choose numbers with a particular sum
	Find intervals in number sentences
SM Assessment 8	Flow diagrams
	Litres/millilitres
	Word sums
	Fractions
<u>SM Assessment 9</u>	Multiplication – Associative property
<u>55115 B3635110110 9</u>	Find the value of a variable
	List from smallest to biggest
	Multiplying by 10
SM Assessment 10	Number pattern
<u>554 Assessment 10</u>	Input/output tables - write the rule - up to ten
	thousand
SM Assessment 11	Factors of 48
<u>35M ASSESSMENT II</u>	Perimeter
	Tessellation
	Draw the next pattern
SM Assassment 10	Make drawings to show multiplication grouping
<u>SM Assessment 12</u>	Number Operations
	Definitions: addition, subtraction, multiplication
	and division
	Word sum

SKILLS MASTERY EXEMPLARS

Skills Mastery (SM) Assessment

Number Assessment

1. 1. Solve (without a calculator).

a. 1,035 ÷ 23

b. 492 × 832

2. The next number in the number sequence 213 972; 214 972; 215 972; ..., is ... А 215 072 в 216 982 С 216 972

> D 214 072

3. Fill in the missing number in each number sentence:

> 70 x 8 = 10 x _____ 12.1 17 + 13 + 104 = 13 + 17 + _____ + 4 12.2

4. Emma bought firework rockets. Some rockets exploded into 3 stars and some made 4 stars. How many rockets of each kind were fired to make 15 stars altogether?

5. Answer <, > or =

a.	194 578	184 587
b.	14 680	15 680
c.	10 900	10 090

SM Assessment 2

Number	Assessment		
1.	Draw the hands on the second clock so the time is 25 minutes later.	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
2.	Write the times in mi	nutes and seconds	

Write the times in minutes and seconds.

525 seconds

2.	Write the	e times in I	minutes an	d seconds				
	525 seco	nds						
3.		mber consi: 4Th + 2T +	sts of the fol 9Tth + 5U	lowing:				
	A. 49	9 625	B. 94 26	65	C. 49 265		D 94 625	
4.	Which nu A. 83		8 next in the B. 69	number pat C	tern 46, 51, 2. 72	57, 64,	D. 75	
5.	2.1 Con	nplete the f	low diagram	n by writing	down the a	nswer		
	Input 6					Outpu	ut	
		x	5	÷ 3		6		
	10							
<u>SM As</u>	sessment 3							
		¢						
Number of 1.		ese number s	entences:		<u>N</u>			
		7) = (5 x 2) +		7) 0				
2) = (4 + 2) +						
2.	$6\frac{1}{4} + 2\frac{2}{4} =$	0		ò				
3.	Find the differ	ence between	65 872 and 54 1	195.		1		
4.	Number	Add 1 000	Subtract 1 000	Add 10 000	Subtract 10 000]		
ŀ	19 564 23 487							
5.	1							
N	lame the following	,	\frown					
		р. (Ò					

SM Assessment 4

Number 1.	Assessment Round 6 942 to the nearest 1000 =	1
		1

2. Calculate perimeter of this rectangle.



3.

What is the time on the clock below in 24 hours?



4. Calculate

5.

What is $\frac{3}{7}$							
	6 50 M	2.0	20 12 20	14 (SSR)			
omplete	labelling	the numbe	r line belov	w by filling	in the fracti	ions.	

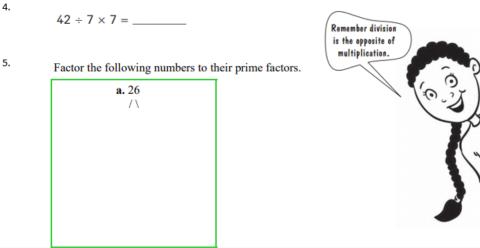
SM Assessment 5

Number
1.Assessment1.Label the fraction showing the numerator and denominator.
 $\frac{2}{5}$ 2.Fill in the missing information.
 $3\frac{9}{10} - 2\frac{3}{10} =$ b. $5\frac{2}{3} +$ = 7

3. Arrange the numbers from smallest to biggest (ascending order).

42 050	45 255	42 005	42 500	42 000	42 555
--------	--------	--------	--------	--------	--------

4.



SM Assessment 6

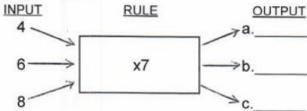
Number	Assessment
1.	Our family goes out for pizza night. My brother brings home $\frac{3}{8}$ of his pizza, my sister $\frac{4}{8}$ and I bring home $\frac{5}{8}$. How much did we bring home altogether?

5.

a.
$$\frac{5}{6} = \frac{1}{20}$$
 b. $\frac{2}{7} = \frac{1}{28}$

Number	
1.	Replace the $*$ by > , < or = to make the following statement true:
2.	$\frac{3}{8} \times \frac{1}{2}$ True or False?
	3(5 +6) = (3 x 5) + (3 x 6)
3.	What will the next number in the number pattern be?
	1;3;2;4;3;5;
4.	Complete: 3 460 m ℓ = ℓ m ℓ .
5.	Round off 347 652 to the nearest ten thousand.
CM A	execution to a
<u>51VI A</u>	issessment 8
Number	Assessment
1.	Fill in the missing numbers.

Fill in the missing numbers.



- 2. Fill in the correct answers.
 - a. 241 = ____ml
 - b. 39000 ml = ____l
- For every 4 biscuits that Peter gets, John gets 3 biscuits.
 Share 56 biscuits between them. NB Write the Ratio of Peter : John.
- 4. Mrs. Perkins makes study guides for her class of 21 students. She uses 252 sheets of paper. How many sheets of paper are in each study guide?
 - A. 12 sheets
 - B. 231 sheets
 - C. 273 sheets
 - D. 5,292 sheets
- 5. 🔒

How fast can you complete the following?						
$3\frac{1}{4} + 1\frac{2}{4} =$	$4\frac{3}{4}$	$1\frac{3}{9} + 2\frac{5}{9}$	=	$2\frac{2}{10} + 4\frac{4}{10} =$		
$1\frac{4}{6} + 7\frac{1}{6} =$		$3\frac{4}{8} + 4\frac{1}{8}$	=	$7\frac{1}{5} + 2\frac{2}{5} =$		

SM Assessment 9

Number Assessment

```
1. Whic
```

Which equation shows how to multiply $6 \times 5 \times 3$ using the associative property?

A. $6 \times 5 \times 3 = 3 \times 5 \times 6$ B. $(6 \times 3) + 5 = 6 \times (3 + 5)$ C. $(6 \times 5) \times 3 = 6 \times (5 \times 3)$

D. $(6 \times 5) + (6 \times 3) = (6 \times 3) + (6 \times 5)$

2. What is the value of w in the equation 116 - w = 95?

A. w = 19
B. w = 21
C. w = 210

D. w = 211

3.

Which list is in order from least to greatest?

Α.	1,000;	1,010;	1,009
В.	1,010;	1,011;	1,100
C.	1,100;	1,010;	1,001
D.	1,010;	1,100;	1,001

5. What is the value of 12 - (3 + 5)?
A. 4
B. 10
C. 14

D. 20

SM Assessment 10

Number Assessment

1.

2.

Fill in the next 2 numbers in the following number pattern.

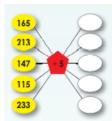
56 ; 49 ; 42 ; _____ ; _____.

$$\vee \vee \vee \vee \vee$$

How many matches are needed to make the $\mathbf{4}^{\text{th}}$ shape in the above pattern of matches?

Complete the table:

Name of the object	Number of faces	Name the shape(s) of the faces

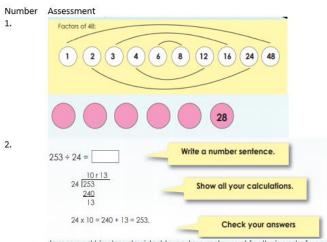


5.

4.

Say in each case whether there is a remainder or not, and if there is, then what it is.Show all your calculations in a writing book or on a piece of paper.a. 338 ÷ 13 =b. 460 ÷ 26 =c. 873 ÷ 58 =

SM Assessment 11

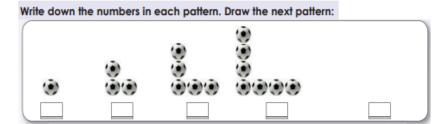


James and his class decided to go to a restaurant for their end of year party. There are 23 learners in the class, including James. The bill was R575. How much did each learner have to pay?

3.

Rectangle		Perimeter in units	Length	Width	Perimeter in:
30 mm	20 mm	10 units			mm:

5.



SM Assessment 12

Number	Assessment										
1.	::			:							
	Pattern	1	2	3	4	5	6	7	8	9	10
	Dots										
2.	Look at the first exa	mple. M	ake y	our ow	n draw	ings to	o show	this.			
	a.				b.						
	3 x 5 :	= 5 x 3						4 x 2 =	= 2 x 4		
3.	Fill in the correct sy	mbol.	+	-	X		÷				
	a. 80 40	= 3 200				b	. 50 00	0	2	200 = 5	0 200
4.	Match column A w	vith colur	nn B.								
	A a. Addition	i	B . Sho	are							
	b. Subtraction	i	i. Pro	duct							
	c. Multiplication	i	ii. Inc	rease	by						
	d. Division	i	v. De	crease	by						
5.	b. A farmer shares get?	654 app	oles ec	qually	among	gst 45 s	shops.	How m	nany d	oes e	ach shop
	c. A man struggle He sells his hous								nal prie	ce by	R10 456.

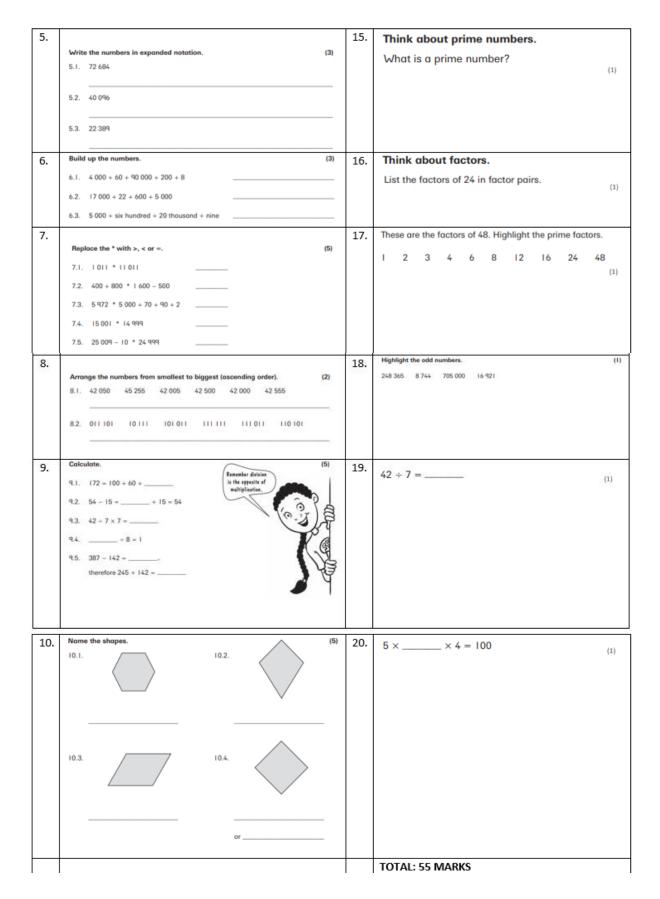
34

CONSOLIDATION (REVISION) ASSESSMENTS FOR END OF TERM

GRADE 5: 20 Item Consolidation Assessment 1

TERM 3 & 4

1.	Use the number 25 986 and follow the instructions. I.1. Add 4 500 to the number. I.2. Subtract 6 700 from the number. I.3. Round off the number to the nearest 1 000.	11.	Colour the shapes as indicated. 11.1. Colour the shapes that have only curved sides red. 11.2. Colour the shapes that have only straight sides blue. 11.3. Colour the shapes that have curved and straight sides orange.	(5)
2.	Write the numbers in digits. (4) 2.1. fourteen thousand, six hundred and twelve	12.	Draw the times on the clocks as indicated. 12.1. Draw the hands on the second clock so the time is 25 minutes later. 12.2. Draw the hands on the second clock so the time is 40 minutes earlier. 13 + 12 + 12 + 12 + 12 + 12 + 12 + 12 +	(4)
3.	Give the volues of the underlined digits. (3) 3.1. 34 <u>5</u> 67	13.	Write the times in minutes and seconds. 13.1. 65 seconds 13.2. 525 seconds 13.3. 320 seconds	(3)
4.	Complete the number chain. (3) $\begin{array}{c} 23q \longrightarrow -q \longrightarrow \bigcirc -q \longrightarrow \bigcirc -q \longrightarrow \bigcirc \\ \bigcirc & -q \longleftarrow \bigcirc & -q \longleftarrow \bigcirc & -q \leftarrow & -q \leftarrow \\ \hline & & -q \leftarrow & -q \leftarrow$			



MEMORANDUM

	30 486	(1)
1.2.	19 286 26 000	(1)
1.3.	26 000	(1)
2.1.	14 612	(1)
	106 509	(1)
	70 004	(1)
2.4	542 716	(1)
3.1.		(1)
3.2.	70 000	(1)
3.3.	0,4 or 4/10	(1)
4.	230 221 212 203 194 185 (6 x 1/2)	= 3)
5.1.	70 000 + 2 000 + 600 + 80 + 4	(1)
5.2.	40 000 + 90 + 6	(1)
5.3.	20 000 + 2 000 + 300 + 80 + 9	(1)
6.1.	94 268	(1)
6.2.	22 622	(1)
	25 609	(1)
7.1.	<	(1)
7.2	>	(1)
7.3.	>	(1)
7.4.		(1)
7.5.		(1)
8.1.	42 000 42 005 42 050 42 500	
	42 555 45 255	(1)
8.2.	10 111 011 101 101 011 110 101	
	111 011 111 111	(1)
9.1.	12	(1)
9.2.	39	(1)
9.3.	42	(1)
9.4.	9	(1)
	8 245 and 387 $(2 \times \frac{1}{2})$	- 1)
7.0.	245 tilt 367 (2 × 2	= 1)
10.1.	hexagon	(1)
10.2.	kite	(1)
10.3.	paralleloaram	(1)

10.2.	kite	(1)
10.3.	parallelogram	(1)
10.4.	diamond or square	(2)
11.1.	Your child colours the third shape red.	(1)
11.2.	Your child colours the first and last	
	shapes blue.	(2)
11.3.	Your child colours the second and	
	fourth shapes orange.	(2)

12.1.	(1)
12.2.	(1)
13.1. 1 min 5 s	(1)

13.1.	I min 5 s	(1)
13.2.	8 min 45 s	(1)
13.3.	5 min 20 s	(1)

 A prime number is any number that has only two factors, namely 1 and itself. (1)

16. 1, 24 2, 12 3, 8 4, 6	(1)
17. 2 3	(1)
1248 365 16 921	(1)
19. 6	(1)
20. 5	(1)

1.	a. 1,035 ÷ 23	11.	Plot the points from the "number rule" on the coordinate grid.The rule for x-values: Start at 0, and add 1 each time.The rule for y-values: Start at 1, and add 2 each time. x 01 y 11
2.	b. 492 × 832		
3.	Solve. a. $x - 56,409 = 240,021$	13.	Mark the fractions on the number line. $\frac{3}{4}$, $\frac{1}{3}$, $\frac{4}{6}$, $\frac{5}{12}$
4.	Place parentheses into the equations to make them true. a. $42 \times 10 = 10 - 4 \times 70$ b. $143 = 13 \times 5 + 6$	14.	If you can find an equivalent fraction, write it. If you cannot, cross the whole problem out. b. $\frac{5}{6} = \frac{1}{20}$ b. $\frac{2}{7} = \frac{1}{28}$ c. $\frac{3}{8} = \frac{15}{12}$ d. $\frac{2}{9} = \frac{6}{12}$
5.	Is 991 divisible by 4?	15.	Compare the fractions, and write < , >, or = in the box.
	Why or why not?		a. $\frac{6}{9}$ $\boxed{\frac{6}{13}}$ b. $\frac{6}{13}$ $\boxed{\frac{1}{2}}$ c. $\frac{5}{10}$ $\boxed{\frac{48}{100}}$

6.	Factor the following numbers to their prime factors.			16.	Below you see two triangles and two quadrilaterals. Classify the triangles according to their sides and angles. Name the quadrilaterals.
	a. 26 /\				al eges / elle us qualination
7.	Round these numbers to the nearest thousand, nearest ten thousand, nearest hundred thousan and nearest million.			17.	a. A square has a perimeter of 12 m. What is its area?
	number	593,204	19,054,947		
	to the nearest 1,000 to the nearest 10,000				
	to the nearest 100,000				
	to the nearest million				
				18.	Can an obtuse triangle be isosceles? If not, explain why not. If yes, sketch an example.
			-	19.	 a. Draw a right triangle with 5 cm and 7 cm perpendicular sides. b. Find its perimeter.
10.	divided ec bowls. Ca nearest mi	s of ice cream is qually into nine lculate, to the illiliter, how muc is in <i>two</i> bowls.	h	20.	This is a rectangular prism. Find its volume.

MEMORANDUM

1.	a. 45	11.	x y	0 1	1	2 5	3 7	4 9	5
2.	b. 409,344								

3.	a. <i>x</i> = 296,430			13.	0 1/3 5/12 4/6 3/4 1
4.	a. $42 \times 10 = (10 - 4) \times 70$ b. $143 = 13 \times (5 + 6)$			14.	b. $\frac{2}{7} = \frac{8}{28}$ c. $\frac{3}{8} = \frac{15}{40}$ d. $\frac{2}{9} = \frac{6}{27}$
5.	No, it is not. Explanations vary. For example: It is an odd number, and therefore cannot be divisible by an even number. 991 + 4 = 247 R3, leaving a remainder, so 991 is not divisible by 4.			15.	a. $\frac{6}{9} > \frac{6}{13}$ b. $\frac{6}{13} < \frac{1}{2}$ c. $\frac{5}{10} > \frac{48}{100}$
6.	a. 26 = 2 × 13 b. 40 = 2 × 2 × 2 × 5			16.	 a. an isosceles acute triangle b. a rhombus c. a right scalene triangle d. a trapezoid
7.	number to the nearest 1,000 to the nearest 10,000 to the nearest 100,000 to the nearest million	593,204 593,000 590,000 600,000 1,000,000	19,054,947 19,055,000 19,050,000 19,100,000 19,000,000	17.	a. 9 m ²
				18.	Yes, it can. For example or do
				19.	Check the triangles the stadent drys. The student should use a tool, such as a triangular rate or a protractor, to stud the right angle. The picture below may be slightly out of scale when pointed, due to the possible scaling in the printing process.
10.	There are 444 millilitiers in two bowls. Two liters is 2,000 ml. 2,000 ml – 9 = 222.2 ml or about 222 ml.				The volume is 5 cm \times 10 cm \times 4 cm = 200 cm ³ .