\	WATERKLOOF PRIMARY SCHOOL	GRADE 4 MATHEMATICS
 ι	UNIT: WHOLE NUMBERS	WEEK: 1
		DATE: 20/04/2020
1.	Counting forward and backwards in multiples of a number a 3, counting only goes up to three digits. In grade 4, we will must be able to count in multiples of 2s, 3s, 5s, 10s, 20s, 25s	as it is done regularly. In grade count up to 10 000. Learners s, 50s and 100s.
	Remember, the number that comes after 999 is 1 000. The 2s up to 998, the next number is 1 000. If you're counting in 3 is 1 000. The number of digits changes from three to four.	at means if you're counting in 3s up to 997, the next number
	Example: Count forward and backwards in 5s from 960 to 1	005.
	960; 965; 970; 975; 980; 985; 990; 995; 1 000; 1 005 1 005; 1 000; 995; 990; 985; 980; 975; 970; 965; 960	
	 a. Count forward and backwards in 2s from 430 to 450. b. Count forward and backwards in 3s from 669 to 699. c. Count forward and backwards in 5s from 115 to 165. d. Count forward and backwards in 10s from 370 to 470. e. Count forward and backwards in 25s from 1530 to 1 780. f. Count forward and backwards in 50s from 3 540 to 4 040. g. Count forward and backwards in 100s from 7 318 to 8 32.). ጋ. 18.
2.	The number that comes after 9 999 is 10 000. If you're count number is 10 000. If you're counting in 3s up to 9 997, the number of digits changes from four to five.	ting in 2s up to 9 998, the next ૨ next number is 10 000. The
	 a. Count forward and backwards in 2s from 9 980 to 10 00 b. Count forward and backwards in 3s from 9 970 to 10 00 c. Count forward and backwards in 5s from 9 950 to 10 00 d. Count forward and backwards in 10s from 9 900 to 10 00 e. Count forward and backwards in 25s from 9 750 to 10 00 f. Count forward and backwards in 50s from 9 500 to 10 00 g. Count forward and backwards in 100s from 9 000 to 10 00 	0. 0. 0. 00. 00. 00. 00.

WATERKLOOF PRIMARY SCHOOL	GRADE 4 MATHEMATICS
UNIT: WHOLE NUMBERS	WEEK: 1
TOPIC: COMPARING, ORDERING AND REPRESENTING NUMBERS	DATE: 21/04/2020
1. Comparing numbers means answering the question of whether smaller (<) or equal to (=) another number. When two numbers a expression is read from left to right, just like a word sentence. Exam	a number is greater (>), re being compared, the ple:
51 > 41 is read as "fifty-one is greater than forty-one" n o	ot the other way around
The symbols > and < can be seem as 'arrow heads' that alwa number.	ys point to the smaller
351 < 451 1 836 > 1 536 6 587 < 7 850 Compare the numbers.	123 > 93
a. 8730 8703 b.26	58 2 568
c. 5 623 5 632 d. 4 2	03 4 230
2. In some case's you may need to calculate the number on the left	and the number on the
right before you can make a comparison. Example:	
25 x 4 <u>=</u> 250 – 50	
25 x 4 = 200 250 - 50=20	0
200 <u>=</u> 200	
3. Calculate the left and the right then compare the two resulting n	umbers.
a. 300×10 30×100 b. $64 \div 8$ 16×2 c. 22	29 – 30 <u>189 - 90</u>
4. Ordering numbers requires the ability to count in whole numbers whole numbers then deciding which of two numbers comes first (ers. If you can count in
whole numbers, then deciding which of two numbers comes firsts	nould not be a problem.
Example: Order the numbers 1 500; 1 300; 1400 and 1 600 from big	gest to smallest.
1 600 would go first as it is the biggest number followed by 1 500	then 1 400 and finally
1 300, the smallest of all the numbers. The order can be written a	as shown:
1 600: 1 500: 1 400: 1 300.	35 5HOWH.
_ = = = = = = = = = = = = = = = = = = =	
1. Order the following numbers from smallest to biggest.	
a. 3 120; 3 220; 3 210; 3 103; 3 320; 3 312	
b. 1123; 1213; 1223; 1113; 1211; 1321	
2. Order the following numbers from biggest to smallest.	
a. 5 435; 4 553 5 345; 4 553; 5 543; 4 535	
b. 7 896; 6 978; 7 879; 6 987; 7 897; 6 988	

UNIT: WHOLE NUMBERS

TOPIC: VALUE AND PLACE VALUE

GRADE 4 MATHEMATICS

WEEK: 1

DATE: 22/04/2020

Value - asks how much a particular digit adds to the whole number.

Examples:

The value of a phone is how much its costs and the cost is given in numbers i.e. R5 000.

The value of a school bag is how much it costs and the value in a number form i.e. R 400.

1. What is the **value** of the underlined digit?

63 <u>5</u> is 5 because 635 = 600+30+5			(the true size of the 5 is just 5)			
<u>7</u> 80 is 700 because 780 = 700+80+0			(the true size of the 7 is actually 700)			
a. 8 <u>6</u> 59→600	b.	6 32 <u>5</u>	c.	1 <u>0</u> 22	d.	4 5 <u>2</u> 2
e. <u>2</u> 578	f.	3 <u>7</u> 82	g.	5 99 <u>8</u>	h.	<u>3</u> 271
i. 8 <u>4</u> 56	j.	1 8 <u>9</u> 5	k.	7 <u>3</u> 58	١.	<u>2</u> 369
m. <u>9</u> 634	n.	8 <u>7</u> 20	о.	5 <u>4</u> 78	p.	<u>5</u> 185

1. **Place Value** – asks **where** a digit is positioned with respect to the whole number. The names places are: Thousands (TH), Hundreds (H), Tens (T) or Units (U).

Examples:

What is the **place value** of the underlined digit?

9<u>5</u>2 – the position of the 5 is Tens

- 63<u>1</u> the position of the 3 is Units
- 2. Write down the **value** and the **place value** of the underlined digits.

Number	Value	Place value
<u>1</u> 320		
4 <u>5</u> 62		
6 9 <u>7</u> 6		
<u>5</u> 541		
8 <u>7</u> 43		
<u>1</u> 803		
7 <u>4</u> 13		
3 3 <u>5</u> 8		
2 54 <u>9</u>		

GRADE 4 MATHEMATICS

UNIT: WHOLE NUMBERS

TOPIC: ROUNDING OFF TO THE NEAREST 10

DATE: 23/04/2020

WEEK: 1

Recap: To round off to the nearest **ten**, count in **units** between two consecutive tens. If the number to be rounded off is closer to the previous ten than it is to the next ten, you round it down. However, if it's exactly halfway or closer to the next ten, then you round up to the next ten.

Example: Round off 233 and 235 to the nearest 10.



233 is closer to 230 than 240 so it gets rounded down to **230**.

235 is exactly half- way between 240 and 230 so it gets rounded up to 240.

Four-digit numbers can also be rounded off the nearest 10 in the same way.

Example: Round off 4 762 and 4 766 to the nearest 10.



4762 is closer to 4760 than it is to 4770 so it gets rounded down to 4760.

4 766 is closer to 4 770 than it is to 4 760 so it gest rounded up to **4 770**.

Round off the following number to nearest 10. Copy and complete in the classwork book.

1. a. 356 ≈ 360	2. a. 4 368 ≈ 4 370	h. 3 002 ≈
b. 548 ≈ 550	b. 3 201 ≈ 3 200	i. 6510≈
c. 968 ≈	c. 6 855 ≈	j. 3 017 ≈
d. 573 ≈	d. 3 232 ≈	k. 3 064 ≈
e. 367 ≈	e. 5 642 ≈	l. 1023 ≈
f. 401 ≈	f. 7 230 ≈	m. 9 853 ≈
g. 240 ≈	g. 6 337 ≈	n. 7836 ≈

GRADE 4 MATHEMATICS

UNIT: WHOLE NUMBERS

TOPIC: ROUNDING OFF TO THE NEAREST 100

DATE: 27/04/2020

WEEK: 1

Recap: To round off to the nearest **hundred**, count in **tens** between two consecutive hundreds. If the number to be rounded off is closer to the previous hundred than it is to the next hundred, you round it down. However, if it's exactly halfway or closer to the next hundred, then you round up to the next hundred.

Example: Round off 225 and 262 to the nearest 100.



225 is closer to 200 than 300 so it gets rounded down to **200**.

262 is closer to 300 than 200 so it gets rounded up to **300**.

Four-digit numbers can also be rounded off the nearest 100 in the same way.

Example: Round off 4 723 and 4 759 to the nearest 100.



4 723 is closer to 4 700 than 4 800 so it gets rounded down to **4 700**.

4 759 is closer to 4 800 than 4 700 so it gets rounded up to 4 800.

Round off the following number to nearest 100. Copy and complete in the classwork book.

1.	a. 356 ≈ 400	2.	a. 4 368 ≈ 4 300	h.	3 002 ≈
	b. 548 ≈ 500		b. 3 201 ≈ 3 200	i.	6 510 ≈
	c. 968 ≈		c. 6 855 ≈	j.	3 017 ≈
	d. 573 ≈		d. 3 232 ≈	k.	3 064 ≈
	e. 367 ≈		e. 5 642 ≈	I.	1 023 ≈
	f. 401 ≈		f. 7 230 ≈	m.	9 853 ≈
	g. 240 ≈		g. 6 337 ≈	n.	7 836 ≈

GRADE 4 MATHEMATICS

UNIT: WHOLE NUMBERS

TOPIC: ROUNDING OFF TO THE NEAREST 1 000

WEEK: 2

DATE: 28/04/2020

To round off to the nearest **thousand**, count in **hundreds** between two consecutive thousands. If the number to be rounded off is closer to the previous thousand than it is to the next thousand, you round it down. However, if it's exactly half- way or closer to the next thousand, then you round up to the next thousand.

Example 1: Round off 1 540 and 1 380 to the nearest 1 000.



1 380 is closer to 1 000 than 2 000 so it gets rounded down to **1 000**.

1 540 is closer to 2 000 than 1 000 so it gets rounded up to 2 000.

Example 2: Round off 4 423 and 4 759 to the nearest 1 000.



4 423 is closer to 4 000 than it is to 5 000 so it gets rounded down to **4 000**.

4 754 is closer to 5 000 than it is to 4 000 so it gets rounded up to **5 000**.

Round off the following number to nearest 1 000. Copy and complete in the classwork book.

1. a. 356 ≈ 0	2. a. 4 368 ≈ 4 000	h. 3 002 ≈
b. 548 ≈ 1 000	b. 3 201 ≈ 3 000	i. 6510 ≈
c. 968 ≈	c. 6 855 ≈	j. 3017 ≈
d. 573 ≈	d. 3 232 ≈	k. 3064 ≈
e. 367 ≈	e. 5 642 ≈	l. 1023 ≈
f. 401 ≈	f. 7 230 ≈	m. 9 853 ≈
g. 240 ≈	g. 6 337 ≈	n. 7836 ≈



WATERKLOOF PRIMARY	SCHOOL	GRADE 4 MATHEMATICS				
UNIT: WHOLE NUMBERS	;	WEEK: 2				
TOPIC: ADDITION		DATE: 30/04/2020				
The addition of whole numbers has mostly been limited to three-digit number calculations. A progression to four-digit number calculations will be made in this lesson. The same calculation techniques used in grade 3 and grade 4, term one, may still be used. Alternatively, learners many use any method they prefer.						
Кесар:	_					
365 + 12	1 =	Break each number above the				
300 + 60 - 100 + 20 -	+ 5 = 365	line. Group units, tens and hundreds when adding. Add from				
100 + 20		right to left.				
The method above will 1 236 + 3 916 1000 + 200 + <u>3 000+ 900 +</u>	be used to calculate four-d 5 = 1236 10 + 6 = 3916	igit number calculations. Note! 900 + 200 = 1 100 Counting in hundreds				
4 000+ 1 100 + 40 + 12= 5 152 2. Use ANY method to calculate the answers to the following problems. Show all the						
working out.						
a. 1078 + 3458 =	d. 7 608 + 4 903 =	g. 3 798 + 3 219 =				
 b. 5 456 + 2 230 = c. 1 181 + 3 333 = 	e. 4 209 + 4 485 = f. 2 441 + 3 132 =	n. 3 654 + 1 208 = i. 5 890 + 1 709 =				

WATERKLOOF PRIMARY SCHOOL	GRADE 4 MATHEMATICS				
UNIT: WHOLE NUMBERS	WEEK: 2				
TOPIC: SUBTRACTION	DATE: 04/05/2020				
The subtraction of whole numbers has mostly been limited to three-digit number calculations. A progression to four-digit number calculations will be made in this lesson. The same calculation techniques used in grade 3 and grade 4, term one, may still be used. Alternatively, learners many use any method they prefer.					
Recap:	Prock cash number above the line				
587 - 293 =	Group units, tens and hundreds.				
400 500 + 1 80 + 7 = 587	Subtract from right to left.				
200 + 90 + 3 = 293	80-90 is not the same as 90-80!				
200 + 90 + 4 = 294	You need to borrow a 100 from 500.				
working out. c. 458 - 365 = d. 658 - 250 = g. 217 - 198 = The method above will be used to calculate four-digit number calculations.					
5 152 - 3 916 =	Note!				
$^{4\ 000}$ 5 000 + 1 100 + 40 50 + 1 2 = 5 152	Borrow 10 for 2-6 then 12-6.				
$\frac{3\ 000}{1\ 000} + \frac{900}{10} + \frac{10}{10} + \frac{6}{10} = \frac{3\ 916}{1236}$	Borrow 1 000 for 100-900 then 1 100- 900.				
 Use ANY method to calculate the answers to the following problems. Show all the working out. 					
a. 2 586 - 1 258 = d. 3 107 - 2 664 =	g. 7 981 - 5 219 =				
b. 3 577 - 3 547 = e. 6 472 - 4 485 = f 3 457 - 1 288 -	h. 8 120 - 4 658 =				

Week 1						
Day 1	Day 2	Day 3	Day 4	Day 5		
9 x 3 =	11 × 8 =	How many 5s in?	The value of 7 in	Write 24 hr. time		
6 x 5 =	8 ÷ 8 =	500	745	3:05 p.m.		
8 x 7 =	8 × 7 =	25	73	7:45 a.m.		
6 x 2 =	1 × 7 =	200	107	11:15 p.m.		
3 x 4 =	6 × 7 =	55	8 507	8:55 a.m.		
3 x 9 =	42 ÷ 6 =	35	7 001	1:25 p.m.		
5 x 6 =	11 × 6 =	70	67	6:40 p.m.		
7 x 8 =	42 ÷ 7 =	1 000	587	12:00 p.m.		
2 x 6 =	24 ÷ 8 =	250	The place value of 1	9:45 a.m.		
4 x 3 =	35 ÷ 7 =	400	1 450	2:00 a.m.		
30 x 9 =	80 ÷ 8 =	550	13	8:35 a.m.		
60 x 5 =	3 × 8 =	350	61	Write 12 hr. time		
80 x 7 =	5 × 6 =	700	981	18:50		
60 x 2 =	3 × 7 =	2 000	6 315	17:10		
30 x 4 =	7 × 12 =	Groups of 8 in	9 107	23: 00		
30 x 9 =	56 ÷ 8 =	48	125	00:40		
50 x 6 =	9 × 6 =	56	Calculate	01:20		
70 x 8 =	56 ÷ 7 =	32	500 + 200	05:00		
20 x 6 =	21 ÷ 7 =	40	500 + 150	19:30		
40 x 3 =	2 × 8 =	64	500 + 100	03:50		
3 x 90 =	6 × 10 =	480	500 + 50	16:10		
6 x 50 =	6 × 9 =	560	550 – 50	04:40		
8 x 70 =	5 × 7 =	32	600 - 100	Halve the number		
6 x 20 =	7 × 8 =	400	650 - 150	470		
3 x 40 =	7 × 3 =	640	700 – 200	8 900		
3 x 90 =	9 × 7 =	4 800	Calculate	236		
5 x 60 =	28 ÷ 7 =	5 600	2 500 - 240	78		
7 x 80 =	24 ÷ 6 =	3 200	2 260 - 120	5 600		
2 x 60 =	12 × 6 =	4 000	2 140 – 60	4 888		
4 x 30 =	2 × 6 =	6 400	2 080 – 30	Double the number		
270 ÷ 9 =	8 × 6 =	Share among 4	2 050 – 15	39		
300 ÷ 5 =	48 ÷ 6 =	24	Choose >, <, or =	111		
560 ÷ 7 =	3 × 6 =	16	24 ÷ 8 * 16	406		
120 ÷ 2 =	6 × 8 =	28	90 x 2 * 180	374		
120 ÷ 4 =	7 × 4 =	48	35 ÷ 7 * 5	256		
270 ÷ 3 =	7 × 6 =	240	8 100 ÷ 9 * 90	978		
300 ÷ 5 =	49 ÷ 7 =	160	120 x 8 * 960	What comes next?		
560 ÷ 7 =	72 ÷ 6 =	280	788 + 13 * 794	106; 206; 306;		
120 ÷ 2 =	30 ÷ 6 =	480	527 – 9 * 418	50; 100; 200; 400;		
120 ÷ 3 =	72 ÷ 6 =	2 400	6 000 ÷ 6 * 60	28; 21; 14; 7;		

