

GRADE 3 MATHEMATICS

TERM 3 2024

MEMORANDUM

I. Numbers, Operations and Relationship.

Circle the letter of the correct answer from questions I-6.

I.1 The greatest number between 564 and 664 is:

A. 574

B. 547

C. 674

☒ D. 647

(1)

I.2 430 units _____ 430

A. <

B. >

☒ C. =

D. +

(1)

I.3 $5 \times 4 =$ _____

☒ A. $5+5+5+5$

B. $4+4+4+4+4$

C. $5+4+5+4$

D. $5+4+4+4+4$

(1)

I.4 24 is half of

A. $44 + 2$

B. $44 + 3$

☒ C. $44 + 4$

D. $44 + 1$

(1)

I.5 Add 25 to five hundred and twenty-five

☒ A. five hundred and fifty

B. five hundred and seventy-five

C. five hundred and fifty-five

D. six hundred

(1)

1.6 How much should we subtract from 580 to get 560?

- A. 50
- B. 40
- C. 30
- D. 20**

(1)

1.7 six hundred and sixty-nine in numerals is: 669.

(1)

1.8 549 is written in words as five hundred and forty-nine

(1)

1.9 Place value:

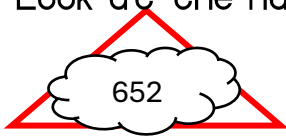
a) Break the number name into hundreds, tens and units

Example: three hundred and seventy-four = $300 + 70 + 4$

Seven hundred and ninety-five = $700 + 90 + 5$

(1)

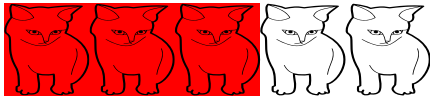
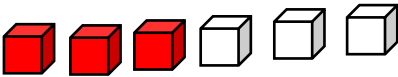
b) Look at the numbers and follow the instructions outlined below.



(3)

- i) Draw a circle around the number that represents 500
- ii) Draw a square around the number that represents 5
- iii) Draw a triangle around the number that represents 50

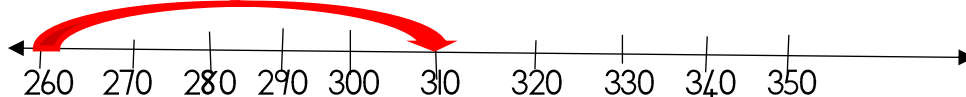
1.10 Fractions

Colour two quarters 	Colour two thirds 
Colour three fifths 	Colour in one half 

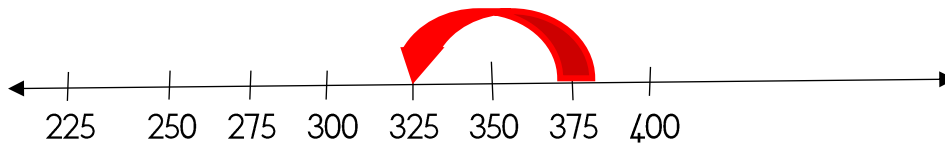
(4)

I.1 Calculate using a number line.

a) $260 + 50 = 310$



b) $375 - 50$



(2)

I.2 Calculate by breaking down the second number.

$251 + 124 =$ $= 251 + 100 + 20 + 4$ $= 351 + 20 + 4$ $= 371 + 4$ $= 375$	$589 - 467 =$ $= 589 - 400 - 60 - 7$ $= 189 - 60 - 7$ $= 129 - 7$ $= 122$
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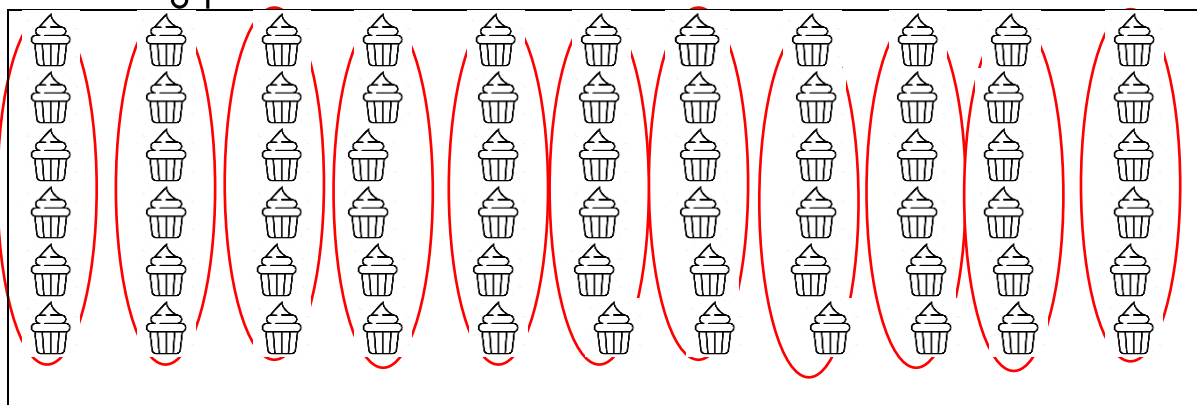
(4)

I.3 Solve the word problems.

Draw and write the number sentence.

a) Nelisiwe packs 66 muffins into packets of 6.

How many packets does she have?



$66 \div 6 = 11$

Nelisiwe has 11 packets.

(2)

b) Grandmother gives Kiki R12.

Kiki wants to save a third of the money.

How much money must she save?

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third of 12 = 4 or $12 \div 3 = 4$

(2)

She must save R4.

1.14 Money

a) Grade 2s raised an amount of R446.

Grade 3s raised an amount of R729.

How much more money did the Grade 3s raise?

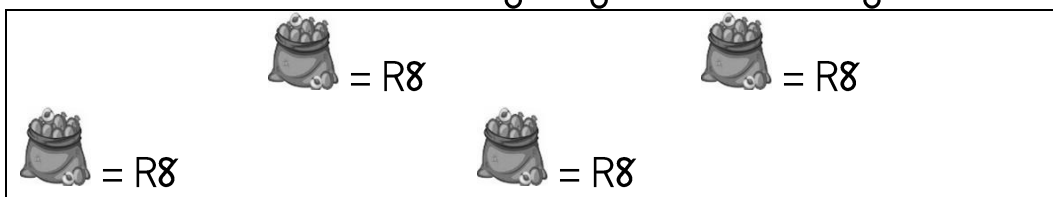
$R729 - R446$
 $= R729 - R400 - R46$
 $= R329 - R46 - R6$
 $= R309 - R20 - R6$
 $= R289 - R6$
 $= R283$

The grade 3s raised R283 more.

(2)

b) Peaches are sold at R8 per kilogram.

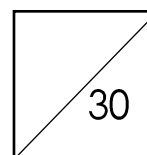
If I have R32, how many kilograms can I buy?



I can buy 4 kilograms.

(2)

Total:



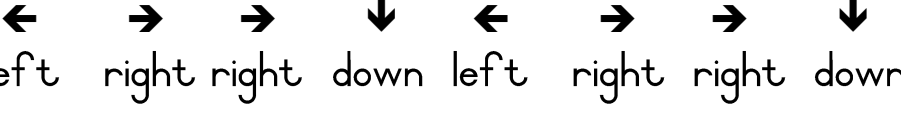
2. Patterns, Functions and Algebra

2.1 Geometric Patterns

Extend the patterns

a) 

b) 

c) 
left right right down left right right down

(3)

2.2 Number Patterns

a) Fill in the missing numbers

550	575	600	625	650	675	700
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(1)

b) Complete the number pattern.

(1)

$$96 - 10 = 86 \quad 86 - 10 = 76 \quad 76 - 10 = 66 \quad 66 - 10 = 56$$

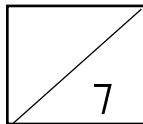
Circle the number that does not belong.

18	15	12	9	10
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Give a reason for your answer.

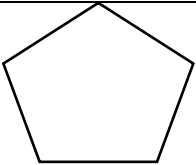
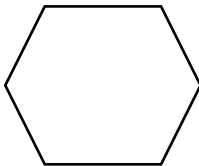
(2)

You are subtracting 3 every time from 18 to 9 but adding 1 to get 10.

Total 

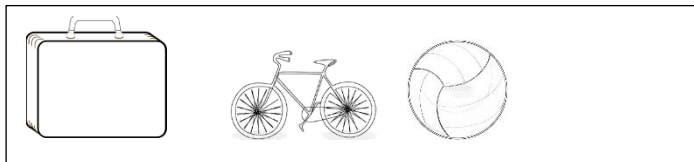
3. Space and shape

3.1 Circle the correct name of the following 2D shapes.

	
hexagon / <u>pentagon</u>	<u>hexagon</u> / pentagon

(2)

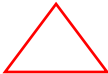
3.2 Look at the three objects and answer the questions.



- The ball is right from the bicycle.
- The bicycle is between the suitcase and the ball.

(2)

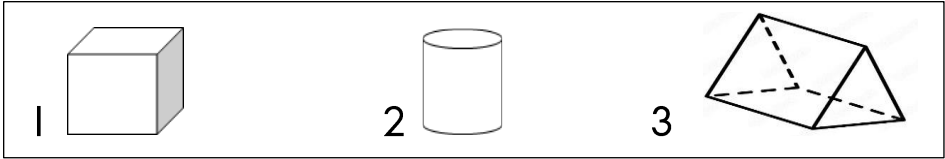
3.3 Look at the diagram and answer the following questions.

	A	B	C	D	E
1					
2					
3					
4					

- Draw a circle in block 3D.
- Draw a triangle in block 2A.

(2)

3.4 Place the correct number of the 3D objects, next to the characteristic.



I have two circular flat faces and 1 curved surface	2
I am a prism. I have 5 rectangular faces	3
I have eight faces and they are all squares	1

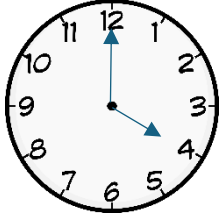
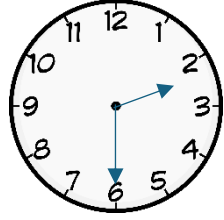
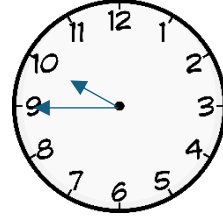
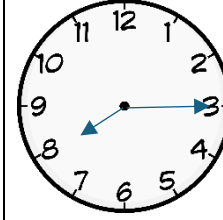
Total

9

(3)

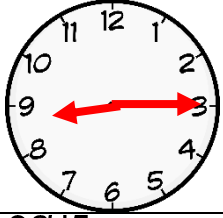
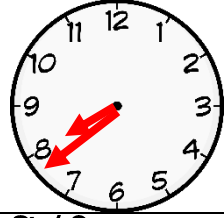
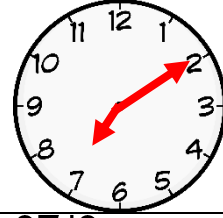
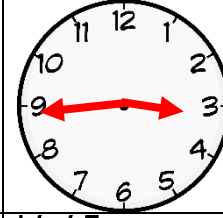
4. Measurement

a) What is the time? Write the time in words.

			
4 o'clock	half past 2	quarter to 10	quarter past 8

(4)

b) Draw the hands to show the analogue time.

			
09:15	8:40	07:10	14:45

(4)

c) Length - Arrange the following distances from the shortest to the longest.

25km, 25cm, 25m, 25mm
25mm, 25cm, 25m, 25km

(1)

d) Elapsed time

Calculate the elapsed time.

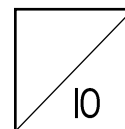
Your teacher left home at 3 o'clock.

She arrived at school at quarter to 4.

How long did it take her to get to school? 45 minutes

(1)

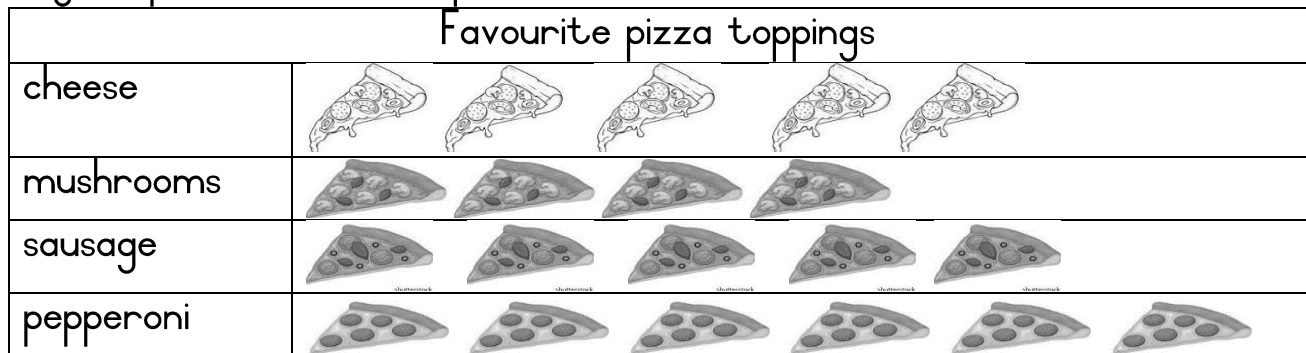
Total



5. Data handling

Study the pictograph below and answer the questions that follow.

Key = 1 pizza  = 5 pizzas



5.1 Complete the tally table below to show the information above.

Pizza topping	Tally count	Total
Cheese		25
Mushroom		20
Sausage		25
Pepperoni		30

(4)

5.2 Answer the questions.

- How many pizzas are topped with cheese and sausages altogether? $25 + 25 = 50$ (1)
- What is the difference between the number of pepperoni and mushroom toppings? $30 - 20 = 10$ (1)
- Calculate the total of all the pizza slices. $25 + 20 + 25 + 30 = 100$ (2)

Total

