

Umlazi District/ Berea Cluster

Remedial Paper - Grade 6 Mathematics: Term 2 Task 4

Name: \_\_\_\_\_

Grade 6: \_\_\_\_\_

Marks: 75

Duration: 90 minutes

Instructions to Learners:

1. The test consists of 6 pages, including the cover page.
  2. Read all questions carefully.
  3. Please circle **only** the letter of correct answer for question 1.
  4. Spaces are provided to answer questions.
  5. All working out must be shown.
  6. No calculators are allowed.
  7. The Educator will lead you through the practice exercise, before you commence the test.
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Question	1	2	3	4	5	6	7	Total
Mark Allocation	<b>10</b>	<b>5</b>	<b>25</b>	<b>10</b>	<b>10</b>	<b>5</b>	<b>10</b>	<b>75</b>
Learner;s Mark								

Practice Exercise:

Circle only the letter of the correct answer:

$$80 + (100 \div 2)$$

A) 180

B) 90

C) 130

D) 100

You have answered the question correctly if you have circled “C”

1. Circle the correct letter

1.1. Here is a number pattern: 4; 9; 16; \_\_\_\_; \_\_\_\_; \_\_\_\_  
Which three numbers should follow?

- A.** 25; 36; 49      **B** 24; 29; 36      **C** 20; 21; 27      **D** 24; 33; 43      (1)

1.2. What is the place value of the underlined digit? 98 492

- A.** Hundreds      **B** 400      **C** Hundredths      **D** Thousands      (1)

1.3. What is the answer to the following calculation?  $3 \times 6 + 6 \div 2$

- A.** 21      **B** 12      **C** 18      **D** 13      (1)

1.4. A shape with 8 sides is called a \_\_\_\_\_

- A.** Pentagon      **B** Octagon      **C** Heptagon      **D** Eightagon      (1)

1.5. What is the median of this data list: 20; 18; 23; 21; 17; 18; 17 is:

- A.** 18      **B** 21      **C** 20      **D** 17      (1)

1.6. The first three multiples of 12 are:

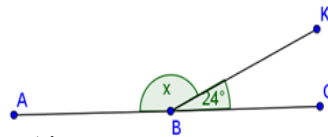
- A.** 24; 36; 48      **B** 6; 9; 12      **C** 12; 24; 36      **D** 1; 2; 3      (1)

1.7. 25% of R8,00 is = \_\_\_\_\_

- A.** R200      **B** R2,00      **C** R4,00      **D** R2,50      (1)

1.8. Identify the type of angle at x

- A.** Reflex      **C** Acute  
**B** Obtuse      **D** Right angle



1.9. **33 998** rounded off to the nearest 5 is:

- A.** 331 000      **B** 33 995      **C** 33 900      **D** 34 000      (1)

1.10.  $34,10 \times 10$  is equal to :

- A.** 34100      **B** 341      **C** 34      **D** 3410      (1)

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2. Use **one** number (once) from inside the box, to help you answer the following questions:

12	2	20%	0,2	24	0,4
	6	100	24		

2.1 A number that is a prime factor of 48 = \_\_\_\_\_(1)

2.2 A number equivalent to  $\frac{2}{5}$  = \_\_\_\_\_(1)

2.3 Which number is the lowest common multiple of 3 and 4= \_\_\_\_\_(1)

2.4 How many 500ml can fit in to 3 litres? \_\_\_\_\_(1)

2.5 What is the value of y, if  $y = 3 \times (72 \div 9)$  \_\_\_\_\_(1)

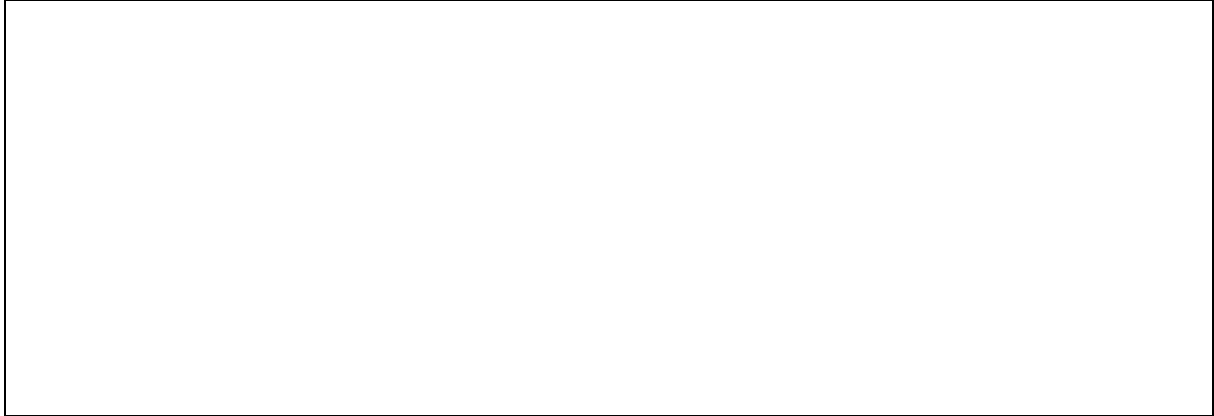
[5]

3. Calculate the following:

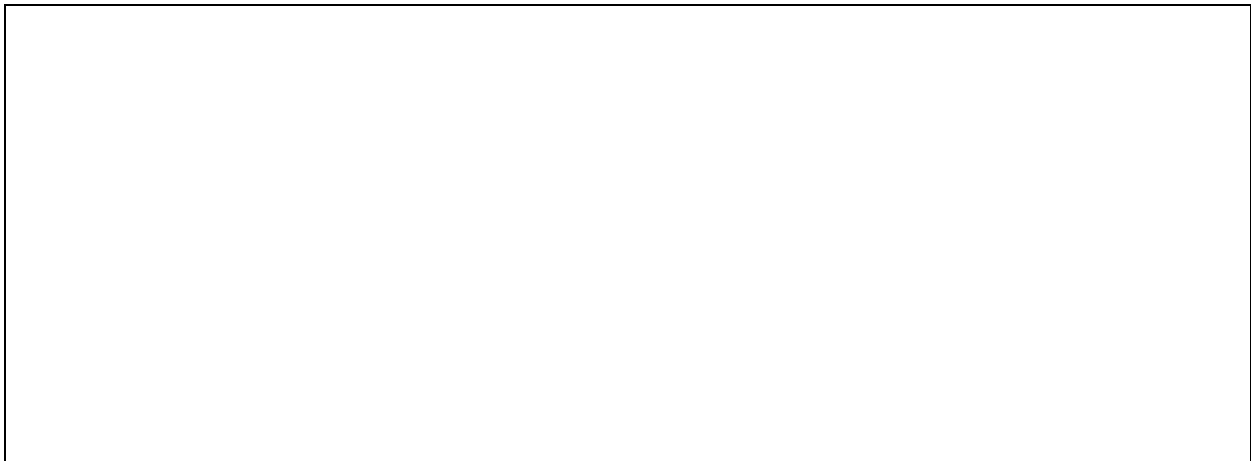
3.1. $495,3 - 27,423 =$ (3)	3.2. $6\frac{5}{12} - 4\frac{3}{6} =$ (4)
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3.3. $1655 \times 87 =$ (3)	3.4. 20% of 340= (3)
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3.5 Dylan uses 20 160 litres of water in 2 years. Calculate his average usage of water for each month, in those two years. (If each month was equal) (4)



3.6 Linda buys a DVD marked R350, with a 30% discount. She then decides to also buy a magazine that costs R20, as she gets closer to the till. How much change will she get from two R200 notes? (5)



3.7 Sunshine Primary fundraised an amount of R48 000 in the year 2016. They have managed to raise  $\frac{2}{6}$  of that amount in the first term of 2017. How much money did Sunshine Primary fundraise in term one of 2017? (3)



[25]

4. Complete the pattern:

4.1.1. 8,5 ; 9 ; 9,5 ; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_ (1)

4.1.2. 612 345; 622 345; 632 345; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_ (1)

4.2. Complete the following

FOLLOW THE INSTRUCTIONS BELOW – MY NUMBER IS 3 605 300

A) Write the number that is 100 more \_\_\_\_\_

B) Write the number that is 1 000 less \_\_\_\_\_

C) Write the number that is 10 000 more \_\_\_\_\_

D) Write the number that is 100 000 more \_\_\_\_\_

E) Write the number that is 5 000 000 more \_\_\_\_\_ (5)

4.3.1. Complete the pattern of shapes:



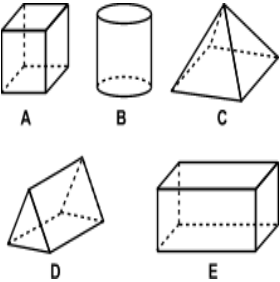
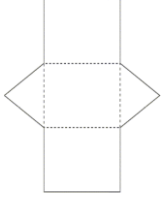
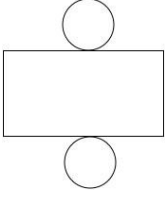
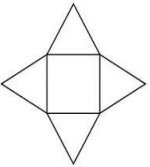
4.3.2. Explain the pattern: \_\_\_\_\_ (2)

\_\_\_\_\_ (2)

[10]

5.

5.1. Choose the correct net for the following 3D objects. Fill in the missing letter of the 3D object, name or net number.

	<p>1. </p>	<p>2. </p>	<p>3. </p>
<p><b>3D OBJECT</b></p> <p>_____</p>	<p><b>NAME</b></p> <p><b>Triangular prism</b></p>	<p><b>NET</b></p> <p>_____</p>	<p>_____</p>
<p>_____</p>	<p><b>Cylinder</b></p>	<p>_____</p>	<p>_____</p>
<p>_____</p>	<p>_____</p>	<p>_____</p>	<p><b>3</b></p>

(6)

- 5.2.1. Name the shape that has 6 square faces. \_\_\_\_\_ (1)
- 5.2.2. A shape that is made up of 4 triangular faces is called a \_\_\_\_\_ (1)
- 5.2.3. A shape with 7 sides is called a \_\_\_\_\_ (1)
- 5.2.4. Name the 2D shape with two opposite sides equal and all angles equal to 90°. \_\_\_\_\_ (1)

[10]

6. Look at these television times:

<b>6:30</b> Barney and Friends
<b>7:00</b> Minute to Win it : Game show
<b>8:00</b> MOVIE: 500 Days to summer
<b>11:15</b> Better with you: Comedy series
<b>11:45</b> The Talk : talk show
<b>12:30</b> Mission Impossible: Classic adventure
<b>13:00</b> News at One
<b>13:25</b> Africa News update
<b>13:55</b> All My Children: Soapie
<b>14:50</b> The Oprah Winfrey show
<b>15:45</b> The Dr Oz Show Healthcare Talk show
<b>16:40</b> Three Talk with Noelene: Talk show
<b>17:40</b> Days of our Lives: Soapie

- 6.1. If you switch the television on at quarter past ten, what will be showing on this particular channel? \_\_\_\_\_ (1)
- 6.2. How many minutes has this programme been showing? \_\_\_\_\_ (1)
- 6.3. How many minutes until the next programme? \_\_\_\_\_ (1)
- 6.4. If 'News in 60 seconds' is at one minute to nine, tonight, how would you write this time as a digital time on a 24hour clock? \_\_\_\_\_ (1)
- 6.5. How many seconds long is "Africa News update"? \_\_\_\_\_ (1)

[5]

7. Kershnee loves baking. She is famous among friends and family for her scrumptious Vanilla Sponge Cake. Look at her cake recipe ingredients for one vanilla cake. If she bakes five cakes, how much of each ingredient will she need? Write the quantities in litres and millilitres next to the recipe.



### VANILLA SPONGE

#### Ingredients

5ml vanilla essence

250ml cake flour

2 eggs

175ml milk

5ml baking powder

125ml castor sugar

Vanilla essence	(2)	Cake flour	(2)
Milk	(2)	Baking powder	(2)
Castor sugar	(2)		

[10]

\*\*\*ALL THE BEST\*\*\*