**Date: 4- 8 May 2020**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUBJECT** | Mathematics | **GRADE** | **3** | **Concept: Building up and breaking down numbers (term 2 content)** |
| **TIME ALLOCATION****1 hour** | **5** minutes for counting in each day.**10** minutes for mental mathematics in each day.**45** minutes for the concept each day.  | **TIPS TO KEEP HEALTHY**1. **WASH YOUR HANDS** thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.2. **PRACTICE SOCIAL DISTANCING** keep a distance of 1m away from other people.3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose the tissue immediately after use.4. **TRY NOT TO TOUCH YOUR FACE.** The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. **STAY AT HOME.**  |
| **INSTRUCTIONS** | Use worksheets belowUse DBE work bookUse relevant resources from home with caution |

**Activity 1 (counting) 5 minutes**

Count forwards and backwards in 2s between 0 and 500.

Count forwards in 2s from 103 to 203.

Count backwards in 2s from 300 to 200.

**Activity 2 (a) Mental Mathematics (orally for 10 minutes)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Calculate the following:** | **Answer** |  |  | **Calculate the following:** | **Answer** |
| 1. | 5 + 4 - 3 = |  | 6. | 8 + 2 - 4 = |  |
| 2. | 4 + 5 - 2 = |  | 7. | 7 + 3 - 3 = |  |
| 3. | 2 + 4 - 5 = |  | 8. | 9 + 1 - 9 = |  |
| 4. | 7 + 0 - 7 = |  | 9. | 3 + 3 - 0 = |  |
| 5. | 8 + 1 - 0 = |  | 10. | 2 + 5 - 6 = |  |

**Activity 2 (b) written (10 minutes)**

|  |  |  |
| --- | --- | --- |
|  | **Add 10** | **Add 100**  |
| **22** |  |  |
| **99** |  |  |
| **271** |  |  |
| **326** |  |  |
| **100** |  |  |
| **188** |  |  |
| **111** |  |  |
| **209** |  |  |
| **190** |  |  |
| **234** |  |  |

**Activity 3 Adding 10s**

**Example**



**For you to do:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number**  | **Show with base 10 blocks** | **Add 10** | **Show with flard cards** | **Add 10** | **Answer**  |
| **45** |  |  |  |  |  |
| **38** |  |  |  |  |  |
| **11** |  |  |  |  |  |
| **70** |  |  |  |  |  |
| **99** |  |  |  |  |  |

**Activity 4 Build these numbers Using flard cards**

**Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Number**  | **Show with flard cards** | **Add 100** | **Answer**  |
| **163** |

|  |
| --- |
| **100** |

|  |
| --- |
|  **60** |

|  |
| --- |
| **3** |

 |

|  |  |
| --- | --- |
| **100** | **100** |

|  |
| --- |
| **60** |

|  |
| --- |
| **3** |

 | **263** |
| **209** |  |  |  |
| **299** |  |  |  |
| **300** |  |  |  |
| **411** |  |  |  |

**Activity 5 add these numbers by breaking down both numbers**

**Let us do it together:**

* 124 + 82

= 100 + 20 + 4 + 80 + 2

= 100 + (20 + 80) + (4 + 2)

= 100 + 100 + 6

= 406

1. 138 + 62= \_\_\_\_

|  |
| --- |
|  |

1. 207 + 163= \_\_\_\_\_\_

|  |
| --- |
|  |

1. 299 + 190 = \_\_\_\_\_\_\_\_\_\_

|  |
| --- |
|  |

**Activity 6 Adding by breaking down the second number**

Let’s do it together

223 + 136 = .........

|  |  |
| --- | --- |
| = 223 + (100 + 30 + 6)  | (break down the second number into hundreds, tens and units)  |
| = (223 + 100) + 30 + 6  | (first add the hundreds)  |
| = (323 + 30) + 6  | (then add the tens to what you have)  |
| = 353 + 6 = 359 | (now add the ones)  |

**Solve these sums using the above strategy**

1. **89 + 27 = \_\_\_\_**

|  |
| --- |
|  |

1. **105 + 222 = \_\_\_\_\_\_\_**

|  |
| --- |
|  |

1. **374 + 69 = \_\_\_\_\_**

|  |
| --- |
|  |

1. **Portia had 141 stickers and her friends gave her 152 more stickers for her birthday. How many stickers does she have now?**

|  |
| --- |
|  |

**Activity 7**

**DBE workbook pages 87 and 89**

**Date: 7 May 2020**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUBJECT** | Mathematics | **GRADE** | **3** | **Concept: Problem- solving strategies: Number lines (term 2 content)** |
| **TIME ALLOCATION****1 hour** | **5** minutes for counting **10** minutes for mental mathematics**45** minutes for the concept | **TIPS TO KEEP HEALTHY**1. **WASH YOUR HANDS** thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.2. **PRACTICE SOCIAL DISTANCING** keep a distance of 1m away from other people.3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose the tissue immediately after use.4. **TRY NOT TO TOUCH YOUR FACE.** The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. **STAY AT HOME.**  |
| **INSTRUCTIONS** | Use worksheets belowUse relevant resources from home with caution |

**Activity 1 (counting) 5 minutes**

Count forwards and backwards in 100s between 0 and 500.

### Activity 2 Mental Mathematics orally (10 minutes)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Calculate the following:** | **Answer** |  |  | **Calculate the following:** | **Answer** |
| 1. | 34 + 10 = |  | 6. | 34 + 100 = |  |
| 2. | 79 + 10 = |  | 7. | 79 + 100 = |  |
| 3. | 131 + 10 = |  | 8. | 131 + 100 = |  |
| 4. | 146 + 10 = |  | 9. | 146 + 100 = |  |
| 5. | 122 + 10 = |  | 10. | 122 + 100 = |  |

**Activity 3 addition using number line**

Example:

123 + 64 = \_\_\_\_\_

* Draw an empty number line

* Write the bigger number in the beginning on the left.

Decide which will work best for you to break 64 (in 10s 20s, 30s or 50 and 10)

Make sure your jumps total up to the number you are breaking i.e. 64

+ 20 + 20 + 20 +

 4

123 143 163 183 187

123 + 64 = 187

**Use empty number line to solve the following**

1. 125 + 35 = \_\_\_\_\_
2. 205 + 60 = \_\_\_\_\_\_
3. 168 + 15 = \_\_\_\_\_\_\_\_\_\_
4. 216 + 59 = \_\_\_\_\_\_\_\_\_\_

**Activity 4 Subtraction using number line**

Example:

129 \_ 38 = **\_\_\_\_\_\_\_\_\_\_\_**

* Draw an empty number line

* Write the bigger number in the beginning on the right.
* Mind the direction of your jumps.
* Decide which will work best for you to break down 38 (in 5s, 10s 20s, 30 and 8 or any other way)
* Make sure your jumps total up to the number you are breaking i.e. 38

 \_ 29

 \_ 4 \_ 5

 91 95 100 129

1. Solve the above problem using 2 different strategies on a number line

**Activity 5 use open number line to solve the following**

1. 136 \_ 42= \_\_\_\_\_
2. 219 \_ 18 = \_\_\_\_\_

**Date: 8 May 2020**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUBJECT** | Mathematics | **GRADE** | **3** | **Concept: working with tens- rounding off (term 2 content)** |
| **TIME ALLOCATION****1 hour** | **5** minutes for counting **10** minutes for mental mathematics**45** minutes for the concept | **TIPS TO KEEP HEALTHY**1. **WASH YOUR HANDS** thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.2. **PRACTICE SOCIAL DISTANCING** keep a distance of 1m away from other people.3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose the tissue immediately after use.4. **TRY NOT TO TOUCH YOUR FACE.** The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. **STAY AT HOME.**  |
| **INSTRUCTIONS** | Use worksheets belowUse relevant resources from home with caution |

**Activity 1 (counting) 5 minutes**

1. Count forwards and backwards in 100s between 0 and 500.

Activity 2 Mental mathematics (10 minutes)

**Boxes of candles**

Ma Nkosi closes the boxes.



* How many boxes? \_\_\_\_\_\_\_\_\_\_
* How many candles altogether? \_\_\_\_\_\_\_\_\_\_
* How many more boxes does she need to fill to have 200 candles? \_\_\_\_\_\_\_\_\_\_
1. How many candles in

2 boxes? \_\_\_\_\_\_\_\_\_candles

4 boxes? \_\_\_\_\_\_\_\_\_ candles

5 boxes? \_\_\_\_\_\_\_\_\_ candles

3 boxes? \_\_\_\_\_\_\_\_\_ candles

6 boxes? \_\_\_\_\_\_\_\_\_ candles

7 boxes? \_\_\_\_\_\_\_\_\_ candles

1. How many boxes does need for?

40 candles = \_\_\_\_\_\_\_\_\_ boxes

70 candles = \_\_\_\_\_\_\_\_\_ boxes

50 candles =\_\_\_\_\_\_\_\_\_ boxes

**Activity 3 Rounding off to the nearest ten (which ten is nearer?)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 |  |  |  |  |  | ? |  |  |  | 20 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Read the story and answer the questions using the table above

Lucky is at house number 16 and has to run to the nearest friend’s house for shelter. He has friends living at Number 10 and Number 20. Which house is nearer, No. 10 or No. 20? Where will the boy run to?

* Where will he run to if he is at house 13? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Where will he run to if he is at house 15? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Where will he run to if he is at house 11? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Where will he run to if he is at house 18? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Activity 4**

**Round off to the nearest ten**

* 33
* 37
* 45
* 56
* 62
* 111