Blouberg Ridge Primary School

Mathematics
Name: MARKING GUIDELINE
Date: 2 July 2021
Examiner: R. Spratley
Task 4: Test

Marker: R. SPRATLEY
Grade 5 B / E / M / S / T
Time allocation: 1 hour
Moderator: ……..……
Total: 30

Instructions:

- **Write NEATLY in pencil only.**
- **Read the questions carefully and answer every question.**

Question 1: Whole Numbers and Number Sentences [10]

1.1. Look at the following number and answer the questions below:

95 414

1.1.1. What is the place value of the 5 in the number above? **Knowledge** (1)

Thousands/ TH ✓

1.1.2. Write the number above in words. **Knowledge** (1)

Nighty five thousand four hundred and fourteen ✓ (no spelling needed, needed to be readable)

1.1.3. Round off the number above to the nearest 5. **Routine** (1)

95 415 ✓

1.2. Pick an answer from the answer block and fill it in the answer column. (5)

Knowledge

Question	Answer Column
1.2.1. The answer to the following equation: 51 X 10 =	1.2.1. **510 ✓**
1.2.2. The inverse operation of addition.	1.2.2. **subtraction ✓**
1.2.3. A fraction equivalent to $\frac{2}{6}$.	1.2.3. **8/24 ✓**
1.2.4. A fraction bigger than $\frac{5}{8}$.	1.2.4. **7/8 ✓**
1.2.5. A number smaller than 32 985.	1.2.5. **31 659 ✓** **5100** **510**

Answer Block
$\frac{8}{24}$
division
510
$\frac{4}{8}$
33 985
5100
subtraction
$\frac{1}{6}$
$\frac{7}{8}$
31 659

1.3. Write the following multiples and factors: **Routine**

1.3.1. The first 5 multiples of 20. **20, 40, 60, 80, 100 ✓** (1)

1.3.2. The factors of 25. **1, 5, 25 ✓** (1)

Question 2: Addition, Subtraction, Multiplication and Division [7]

2.1. Complete the following equations in the space provided: **Routine**

2.1.1. 66 987 + 42 040 = ☐ (1)

109 027 ✓

*** Any method accepted**

2.1.2. 96 967 – 25 385 = ☐ (1)

71 582 ✓

*** Any method accepted**

2.1.3. 564 X 21 = ☐ (3)

564
X 21
564 ✓
11 280 ✓
11 844 ✓

5 6 4

10	12	08	2 ✓
05	06	04	1 ✓

= 11 844 ✓

2.1.4. 362 ÷ 20 = ☐ (2)

. 1 8 rem 2 ✓
20 | 3 6 2
- 2 0 0 ✓ (Any method)
1 6 2
- 1 6 0
2

Question 3: Patterns [9]

3.1. Look at the following pattern: **Routine**

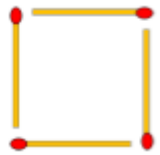
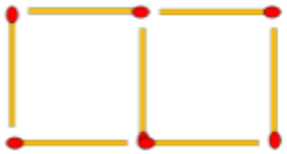
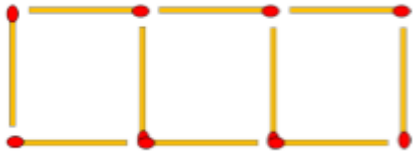
Pattern
40, 20, 10, 5

3.1.1. Determine the rule for the pattern above. **÷ 2/ Half ✓** (1)

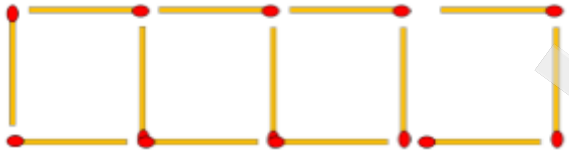
3.1.2. Does the rule represent a constant difference or constant ratio? (1)

Constant ratio ✓

3.2. Look at the following pattern:

Term 1	Term 2	Term 3
		

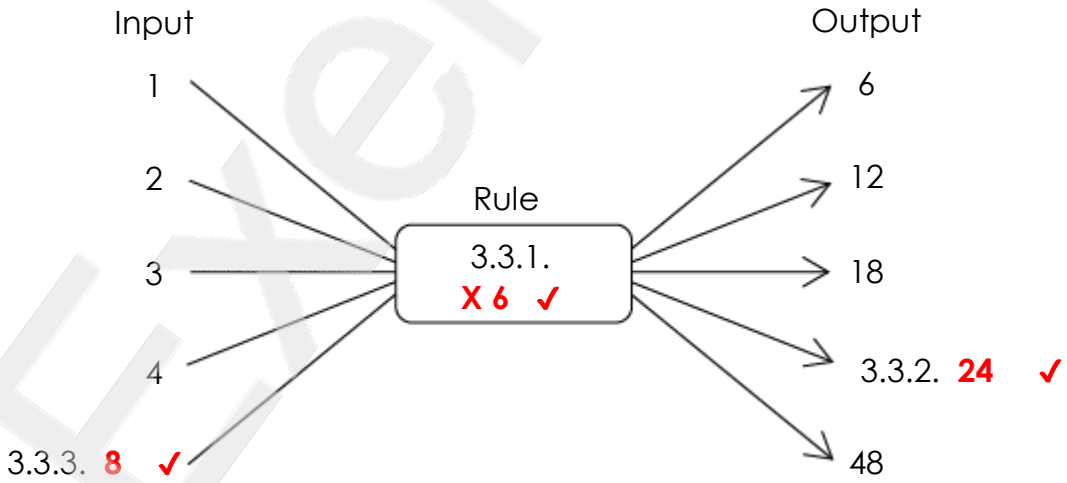
3.2.1. Draw term 4 below: **Routine** (1)

Term 4
 ✓

3.2.2. Complete the table below using the above pattern: **Complex** (2)

Term Number	1	2	3	**8**	10
No. of matches	**4**	**7**	**10**	25	**31**
				✓	✓

3.3. Complete the flow diagram below: **Complex** (3)



3.3.4. Write the rule between input and output ***in words*** from the flow diagram. (1)

Multiply/ Times the input by 6 to get the output. ✓ **Problem-solving**

Question 4: Word Problems **[4]**

4.1. Jane writes newspaper articles and she can type 50 words in 5 minutes. How long will it take her to type 250 words? **Complex** (2)

50 words / 5 min

250 ÷ 50 X 5 = 5 X 5 (✓ Any method accepted)

Answer: 250 words / 25 min ✓ (Both marks awarded if correct)

4.2. At a large car show, there were 25 green cars and 15 yellow cars. What is the ratio *(in simplest form)* of green cars to yellow cars? **Problem-solving** (2)

25 : 15

✓ * Divide both by 5 or any method accepted.

Answer: 5 : 3 ✓ (Both marks awarded if correct, must be green cars to yellow cars)

Total: 30