

**INSPIRED TOTS EARLY LEARNING CENTER**  
**SECOND TERM EXAMINATION 2023/2024 SESSION**

Name \_\_\_\_\_ Class: 5<sup>th</sup> Grade Date: \_\_\_\_\_

**Subject: MATHEMATICS**

**SECTION A: Multiple Choice: Underline the correct answer.**

1. The percentage 6.25% as a fraction in its simplest form is:  
a)  $\frac{1}{16}$       b)  $\frac{125}{200}$       c)  $\frac{25}{40}$       d)  $\frac{5}{8}$
2. An equivalent ratio to 648:684 is \_\_\_\_\_  
a) 8:9      b) 18:19      c) 26:27      d) 35:36
3. The ratio of the number of boys to the number of girls is 5:6. If there are 44 pupils, then the number of girls is \_\_\_\_\_.  
a) 20      b) 22      c) 24      d) 26
4. The number divisible by 6, 8 and 10 is:  
a) 75 240      b) 75 420      c) 98 440      d) 99 640
5. The biggest 6-digit number divisible by 3 and 8 is:  
a) 999 960      b) 999 984      c) 999 996      d) 999 999
6.  $3^3 \times 2^2 \times 7 =$  \_\_\_\_\_  
a) 42      b) 252      c) 756      d) 1 764
7. The prime factorization of 6 760 is:  
a)  $2 \times 5 \times 13$       b)  $2^2 \times 3^4 \times 5$       c)  $2^2 \times 13^2 \times 5$       d)  $2^3 \times 13^2 \times 5$
8. The simplest form of  $2^4 \times 5^2 \times 3^3 \times 5^2 \times 5^3 \times 3^2 \times 2$  is:  
a)  $2^4 \times 3^5 \times 5^5$       b)  $2^4 \times 5^7 \times 3^5$       c)  $2^5 \times 3^5 \times 5^7$       d)  $30^{17}$
9. The HCF of 224, 252 and 308 is:  
a)  $2 \times 7$       b)  $2^2 \times 7$       c)  $2 \times 7^2$       d)  $2^2 \times 7^2$
10. The LCM of 42, 66 and 105 is:  
a)  $2 \times 7$       b)  $2 \times 3 \times 5 \times 11$       c)  $2 \times 3 \times 5 \times 7 \times 11$       d)  $2^2 \times 3 \times 5 \times 7 \times 11$
11. The cube root of 1 331 is:  
a) 7      b) 9      c) 11      d) 13
12. The percentage that is between  $\frac{25}{4}$  and  $\frac{34}{5}$  is:  
a) 6.8%      b) 66.8%      c) 620%      d) 668%
13. The fraction  $\frac{224}{25}$  as a percentage is:  
a) 8.96%      b) 22.4%      c) 89.6%      d) 896%
14.  $75\% \div 2.5 =$  \_\_\_\_\_  
a) 3%      b) 30%      c) 187.5%      d) 300%
15. 25 is 40% of:  
a) 62.5      b) 65      c) 67.5      d) 75
16. The profit of ₦ 58 500.00 is 30% of:  
a) ₦ 19 500.00      b) ₦ 175 500.00      c) ₦ 195 000.00      d) ₦ 370 000.00
17.  $45.8\% + 43.8\% + 7.78\% =$  \_\_\_\_\_  
a) 96.38%      b) 97.38%      c) 98.38%      d) 98.83%

**INSPIRED TOTS EARLY LEARNING CENTER**  
**SECOND TERM EXAMINATION 2023/2024 SESSION**

Name \_\_\_\_\_ Class: 5<sup>th</sup> Grade Date: \_\_\_\_\_

18. If the rate of correct answer in a test is 3 points per numeration question and 5 points per geometry question, how many points will Eliana get if she answers six questions from each type correctly?  
 a) 36      b) 48      c) 60      d) 96
19. Number to the left of -5 on the number line is \_\_\_\_\_  
 a) +5      b) 0      c) -3      d) -7
20. A number bigger than negative two is \_\_\_\_\_  
 a) The opposite of positive three      b) the opposite of positive one      c) negative five  
 d) negative eight
21.  $(-16) + (+24) + (-23) =$  \_\_\_\_\_  
 a) -63      b) -17      c) -15      d) +17
22.  $(+245) - (+314) =$  \_\_\_\_\_  
 a) -79      b) -69      c) +69      d) +79
23. The missing dividend in \_\_\_\_\_  $\div (-21) = +37$  is:  
 a) -877      b) -777      c) +777      d) +877
24. The square root of 512 is 8.      True or      False
25. If  $(+7) -$  \_\_\_\_\_  $= 0$ , then the missing integer is -7.      True or      False
26. If  $9 - t = 1$ , then  $t = 8$ .      True or      False
27. If  $a + 2 = -1$ , then  $a = 3$ .      True or      False
28. If  $3 - b = -5$ , then  $b = -2$ .      True or      False
29. If  $-8 +$    $= -10$ , then   $= -2$ .      True or      False

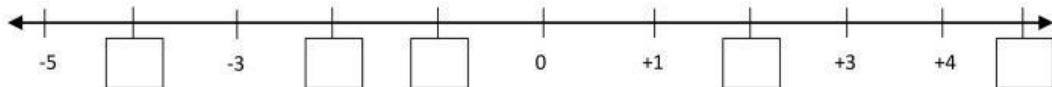
**SECTION B:**

1. Find the missing terms in the tables of proportionality.

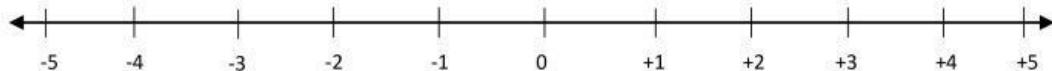
28	14		84
36	18	9	

12	8	16	
16	24		32

2. Place the integers  $-2, +5, -4, +2$  and  $-1$  on the number line.



3. Count on forwards or backwards on the number line to find the sums and differences.



- i.  $(-2) + (-2) =$  \_\_\_\_\_      ii.  $(-2) - (-2) =$  \_\_\_\_\_  
 iii.  $(-1) + (+3) =$  \_\_\_\_\_      iv.  $(-4) - (-1) =$  \_\_\_\_\_  
 v.  $(+3) + (-5) =$  \_\_\_\_\_      vi.  $0 - (+4) =$  \_\_\_\_\_

INSPIRED TOTS EARLY LEARNING CENTER  
SECOND TERM EXAMINATION 2023/2024 SESSION

Name \_\_\_\_\_ Class: 5<sup>th</sup> Grade Date: \_\_\_\_\_

4. Find the values of:

a)  $7^3$  = \_\_\_\_\_

b)  $2^3 \times 3^2$  = \_\_\_\_\_

5. i)  $\sqrt{196}$  = \_\_\_\_\_

ii)  $\sqrt[3]{27}$  = \_\_\_\_\_

6. Convert each mixed number to an improper fraction in its simplest form.

i)  $5\frac{15}{32}$  = \_\_\_\_\_

ii)  $4\frac{3}{5}$  = \_\_\_\_\_

7. Find 0.1% of 700. \_\_\_\_\_

8. Write an equivalent ratio of 5:9. \_\_\_\_\_

9. The number of rainy days in November is proportional to the number of sunny days with a ratio of 2:3. How many rainy days are there in November?

10. The number of red pens is proportional to the number of blue pens with a ratio of 3:5. If there are 40 blue pens, how many red pens are there?

11. The number of working days is proportional to the number of days off with a ratio of 5:2. If Harat worked for 35 days, how many days off did she have?