

1ST FORM END OF YEAR ASSESSMENT 2021

(WILL BE TYPED INTO A GOOGLE FORM)

SECTION 1 (MULTIPLE CHOICE)

[1 x 16]

- 1) The number of prime numbers between 20 and 50 is
 - A. 6
 - B. 7
 - C. 8
 - D. 9
- 2) 9.0999 rounded to 2 decimal places is
 - A. 9.09
 - B. 9.10
 - C. 9.01
 - D. 10.00
- 3) 909 099 rounded to 3 significant figures is
 - A. 909
 - B. 909 999
 - C. 909 000
 - D. 999 000
- 4) What is the difference between the numbers 3.499 and 4.878 if they are first rounded to 2 decimal places?
 - A. 1.38
 - B. 1.37
 - C. 1.39
 - D. 1.4
- 5) 99 999 rounded to 3 significant figures equals
 - A. 10 000
 - B. 100 000
 - C. 999
 - D. 99 900

6) Mrs. Jones buys an article priced at \$5000 on H.P. She pays a deposit of \$1000 and 24 instalments of \$200. The extra amount paid is

- A. \$5800
- B. \$1800
- C. \$800
- D. \$3400

7) Let $A = \{\text{all even integers less than } 10\}$ and $B = \{\text{all integers greater than } 5\}$. Then $A \cap B$ is equal to:

- A. $\{6, 7, 8, 9\}$
- B. $\{5, 6, 7, 8, 9, 10\}$
- C. an infinite set
- D. $\{6, 8\}$

8) Is the following angle, right, acute, obtuse, or reflex?



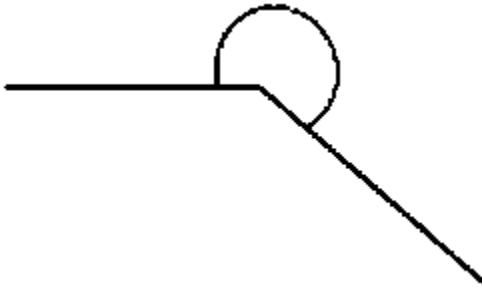
- A. Right
- B. Acute
- C. Obtuse
- D. Reflex

9) Which of the numbers 11, 33, 47 and 91 are prime?

- A. 11 only
- B. 11, 47 and 91
- C. 91 only
- D. 11 and 47

- 10) The LCM of 4, 12 and 20 equals
- A. 240
 - B. 960
 - C. 120
 - D. 60
- 11) If $A = \{1, 3, 5, 6\}$ and $B = \{2, 3, 5\}$, then $A \cap B =$
- A. $\{3, 5\}$
 - B. $\{1, 2, 3, 3, 5, 5, 6\}$
 - C. $\{1, 2, 3, 5, 6\}$
 - D. $\{1, 2, 6\}$
- 12) After a 20% discount, an article is sold for \$160. The price before the discount was
- A. \$192
 - B. \$200
 - C. \$220
 - D. \$180
- 13) What is the value of $0.04 \div 0.008$?
- A. 0.5
 - B. 5
 - C. 2
 - D. 0.2
- 14) The highest common factor of 6 and 15 is
- A. 30
 - B. 60
 - C. 1
 - D. 3

- 15) A boy and his sister's ages are in the ratio of 6:7. She is 2 years older than he is. The boy's age is
- A. 12 years
 - B. 13 years
 - C. 14 years
 - D. 15 years
- 16) Is the following angle, right, acute, obtuse, or reflex?



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

SECTION 2 (SHORT ANSWER)

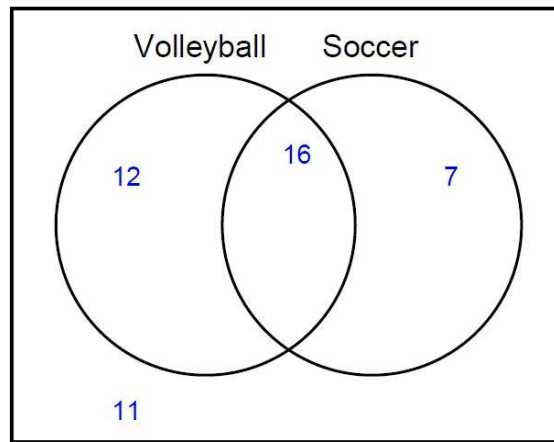
Answer each of the following questions by typing the answers in **NUMERICAL FORMAT** as integers. (e.g. 78 or -9) **[1 x 5]**

- 17) $(-5) + 7 - 8 =$
- 18) $(-3) \times (-5) =$
- 19) $(-2) \times (-3) \times (-4) =$
- 20) $(-16) \div 8 =$
- 21) $(-35) \div (-7) =$

- 22) Friendship's soccer team purchased uniforms and equipment for a total cost of \$912. The equipment cost \$612, and the uniforms cost \$25 each. How many uniforms did the school purchase? [2]

SECTION 3 (SHORT ANSWER)

Answer the questions based on the Venn diagram below. Type answers in **NUMERICAL FORMAT** as whole numbers only. [1 x 5]



- 23) How many students like both Volleyball and Soccer?
24) How many students like Volleyball?
25) How many students do not like either Soccer or Volleyball?
26) How many students like Soccer or Volleyball?
27) How many students only like Volleyball?

SECTION 4 (SHORT ANSWER)

Simplify each of the following.

$$28) \quad 7h - 4 - 3h + 11 = \quad [2]$$

$$29) \quad 8x - 6y - 9y - 2x = \quad [2]$$

$$30) \quad 3a \times 8bc = \quad [1]$$

$$31) \quad \frac{12c}{3} = \quad [1]$$

TOTAL [34]

- END OF ASSESSMENT -