FIRST PERIODICAL TEST **GRADE 7 Mathematics**

Direction: Read carefully each item and choose the letter corresponding to the correct answer.

1. Simplify: $(-2)^3 - (-3)^2$.

C. - 17B. 1

C. 132

D. 17

2. How much less is -- 84

B. 36

D. -132

3. Which is the largest?

A. P150

A. $\frac{5}{6}$

 $C. \frac{5}{8}$ B. $^{3}/_{5}$

D. 8/11

4. How much will you pay for an item which originally costs P 750 but is now on sale with 20% discount?

C. P600

D. P570

5. If $U = \{a, b, c, d, e, f, g, h, i\}$, $A = \{d, g, f, a\}$, $B = \{e, f, h\}$, find A'.

B. P180

than -48?

A. $A' = \{ d, g, f, a, i \}$

B. { b, c, i }

C. { b, c, e, h, i}

D. $\{a, b, c, e, g, i\}$

6. In number 5, find A' \cap B'.

A. $\{ d, g, h, i \}$

B. $\{b, c, i\}$

C. $\{d, e, f, i\}$

D. $\{d, e, f, g, h\}$

For numbers 7-9, refer to the situation below:

A class of 45 students took examinations in Science and Math. If 35 passed Science, 15 passed Math and 6 failed both subjects,

7. How many students passed both subjects?

A. 6

B. 15 C. 35 D. 44

8. How many students passed Science only?

A. 15

C. 50 B. 35

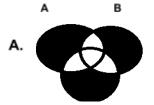
D. 60

9. How many students passed Science only? A. 6 B. 9

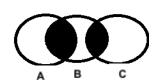
C. 12

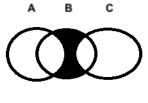
D. 15

10. Which is the correct Venn Diagram of (B-A-C)?





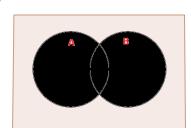




11. Which set notation represent the shade region in the given Venn Diagram?

 $A. A \cup B$ $B.A \cap B$ C. $(A \cup B)'$

D. $(A \cap B)'$



12. Which of the following rational number is finite?

A. {2, 4, 6.8.10}

C. {... 7, 14, 21, 28}

B. $\{x \mid x < 100\}$

D. even numbers

For items 13 and 14, Use the given situation below:

A group of 40 students were asked whether they use either vahoo or google. Twenty- five of their students use yahoo and 30 use google.

12. How many use google only?

A. 10

B. 15

C. 30

D. 25

13. How many use both website?

A. 10

B. 15

C. 30

D. 25

14. Which of the following set of integers are arrange from least to greatest?

A. -7, 25, -40,9, 0, 98, -2

B. -40, -7, -2, 0, 9, 25,98

C. 98, 25, 9, 0,-2,-7-40

D. 0, -7,-2,-40,25,98,9

15. What integer is 12 units to the left of -26?

A. 14

C. -38

16. In math contest, every correct answer is worth 3 points and every wrong answer is worth -2 points. If Ernest answer 20 questions correctly and 5 wrong answers, what was the total points?

A. 30

B. 40

C. 50

D. 60

17. Mrs. Concepcion made P 47, 500 in the stock market while Mrs. Cruz lost P 23, 800. What was the difference in their performance?

A. P23 700

B. P22 700

C.P71 300

B. 38

D. - P23700

18. What is the difference of 93 and (-65)?

A. 28

B. - 28 C. -158 D. 158

D. -14

19. What is the product of (-100)(-11)? A. -1100

B. 1100

C. 1000

D. 1200

A. 5. 397

B. 37. 958

20. Which of the following decimal number has the digit 7 in thousandths place? C. 15. 078

D. 25. 746

22. Which of the following is	s a whole number but not a	counting number?				
	<u>1</u>					
A1	$\frac{1}{2}$	C. 0		D. 1		
23. Evaluate: $(-1)^{101} - (-1)^{100}$	A2	B. 1	C. 0	D1		
24. Set A= {letters of the wo A. {a, e}	rd Mathematics}, B= {vow B. {a, i} C		Alphabet}, find D. {a, e, o}	i A ∩ B.		
25. What should be subtracted	d by -15 to obtain 7? A.	-6 B. 8	C. 6	D8		
3						
26. What remains when $\frac{3}{8}$		2		2		
$\frac{1}{2}$	$\frac{5}{8}$	$\frac{2}{8}$	D	$\frac{3}{8}$		
	Б. С		υ.	. •		
27. Between which two co A. 15 and 16	nsecutive integers does B. 13 and 14	V 300 ? C. 11 and 12	2 D.	17 and 18		
28. If S is at -43 and M is a A65	at 22, how long is SM? B. 65	C. 21	D.	21		
29. What integer is 19 less	than -749 A Q3	B. 55	C93	D55		
30. Which of the following i. The set of whole numii. The set of whole numii.	g statements is/are true? nbers is a subset of the sombers is a subset of the sombers is a subset of the are integers	et of counting num set of integers. e set of real number	abers. ers.	D33 O. all of the above		
31. Simplify: $21 - 9 \div (-3)$. A24	B. 4	C. 24	D 4		
32. If each liter of gasoline	e costs ₱42.65 how mucl	h will 5.2 liters cos	st to the neare	est centavo?		
A. ₱221.70	B. ₱221.60	C. ₱221. 50	D.	₱221. 80		
33. What is the smallest po	B. 3	108 can be multipi C. 6	ned to make i			
34. Starting at the middle s	step of the ladder, a firen			n by 11 steps, up again lder. How many steps are		
A. 13	B. 14	C. 15	D.	. 16		
35. What is the fraction for		2.4		100		
$\frac{103}{100}$	$\frac{33}{34}$	$\frac{34}{33}$		$\frac{100}{102}$		
$A. \overline{100}$	B. 34	C. 33	D.	103		
	much money does he ha	ave left for his lef	isure activitie	es?		
A. ₱1 200 37. What must be subtracted	B. ₱1 400 ed from -12 to get -31?	C. ₱2 400	D. 1	₱2 100		
A19	B. 43	C. 19	D.	- 43		
38. How many 25 centavo A. 75	s are there in ₱18. 75? B. 74	C. 73	D. 7	77		
A. /3	5 3	C. 73	D .	12		
39. What must be subtracted	ed by $\frac{8}{8}$ to obtain $1^{\frac{1}{4}}$?					
$\frac{3}{8}$	$\frac{3}{4}$ B. 2 $\frac{3}{4}$	$\frac{1}{2}$		$\frac{3}{4}$		
A. 2 8	B. 2 ⁴	C. $1^{\frac{1}{8}}$	D.	. 1 4		
40. Given U = {whole num are the elements of A'?		prime numbers les	ss than 10},	which of the following		
A. $A' = \{1,4,6,4,6,4,6,4,6,4,6,4,6,4,6,4,6,4,6,4,$,8,9,10,11}	B. $A' = \{0,1,$				
C. $A' = \{0,1,4,4,4\}$	6,8,9,10,12}	D. A' = $\{0,1,$	D. A' = $\{0,1,2,4,6,8,9,10,12\}$			
41. How many watermelor	ns can Mikee buy with ₱	1000 if each costs	₽ 75?			

A. 14

B. 13

C. 12

D. 11

42. What integer is 19 less than -74	? A. 93	B. 55	C93	D55	
43. Simplify: $(-3)^3 - (-2)^3$	A35	B.35	C. 19	D19	
<u>5</u>					
44. What is the decimal form of 8		B.0.625	C. 0.6262	D. 0.325	
45. Evaluate: $50 \div 5(-6) - \{2^3 + (-2)^4 + (-2$					
	8100	C. 48	D58		
46. It is a well-defined collection of distinct objects.					
A.subset B	3.diagram	C. set	D. algebra		
47. What property is being describe	ed in $(-2+3)+5=$	-2 + (3 + 5)?			
		distributive	D. assoc	iative	
	J				
48. Which of the following is not a	rational number?				
A3 B.	. 0	С. π	D. $\sqrt{49}$		
49. A certain grocery is giving away of groceries while every 24 th get be the first customer to receive	ts can of biscuits an all the prizes?	d every 36 th cu	stomer gets bas	ket of fruits. Who will	
A.60th B.	.72nd	C. 120th	D. 144 th	1	
50. What number is 109 more than t	thrice 49?				
A. 147 B.	. 240	C. 256	D. 266		