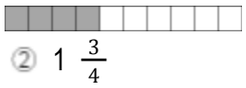
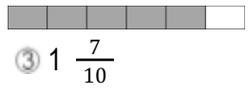
FIRST QUARTERLY EXAMINATION

Elementary Mathematics 5

Name: _____ Grade & Section: _____

School: _____ Date: _____ Score: _____

Directions: Read and analyze each item carefully. Select the best answer from the choices 1, 2, 3 and 4. **Blacken the circle** of the number that corresponds to your answer.. You have one-hour to finish the test. GOOD LUCK KIDS!

1. Which of the following is an example of a commutative property of addition?
   ① 6 + (8+5) = (6+8) + 5 ② 10 + 3 = 3 + 10 ③ 12 + (7 + 8) ④ 24+0 = 24
2. Identify the property of multiplication used in this equation: (12 + 5) x 2 = (12 x 2) + (5 x 2)
   ① Associative Property ② Commutative Property ③ Distributive Property ④ Zero Property
3. There are 25 075 chickens, 1 427 geese and 14 320 ducks in a farm. How many animals in the farm are there in all?
   ① 40 822 ② 31 025 ③ 27 343 ④ 12 821
4. A factory produced 325 500 packets of fertilizer in March. The number of packets of fertilizer produced in April is 79 580 more than that in March. How many packets of fertilizer did the factory produced in April?
   ① 621 432 ② 560 152 ③ 405 080 ④ 211 608
5. A farmer bought 114 386 seedlings. He planted 90 214 seedlings. How many seedlings were left?
   ① 24 172 ② 16 144 ③ 13 682 ④ 9 076
6. Anita collects 254 290 stamps. James collects 10 211 stamps less than Anita. How many stamps does James collect?
   ① 101 221 ② 244 079 ③ 311 320 ④ 401 212
7. A truck can carry 11 439 oranges. How many oranges can 72 trucks carry?
   ① 127 541 ② 361 007 ③ 538 544 ④ 823 608
8. Forty-eight thousand, three hundred seventy-two books are distributed equally to 6 bookshops. How many books does each bookshop received?
   ① 11 302 ② 10 090 ③ 9 211 ④ 8 062
9. Which of the following are the prime numbers between 25 and 50?
   ① 27, 30, 33, 39, 44, 49 ③ 29, 31, 37, 41, 43, 47
   ② 26, 28, 30, 32, 34, 36, 38, 40 ④ 27, 29, 31, 33, 37, 41, 43, 47
10. The following numbers are the common factors of 8 and 24 except ____.
    ① 10 ② 8 ③ 4 ④ 2
11. I am thinking of a number. Its prime factors are 2×3^3. What is the number?
    ① 36 ② 54 ③ 72 ④ 98
12. Yvonne colored $\frac{3}{4}$ and $\frac{1}{8}$ of a piece of paper in green and blue respectively. Change these to similar fractions?
    ① $\frac{2}{4}$ and $\frac{1}{4}$ ② $\frac{6}{8}$ and $\frac{1}{8}$ ③ $\frac{5}{12}$ and $\frac{3}{12}$ ④ $\frac{10}{32}$ and $\frac{8}{32}$
13. Mother bought pepperoni and overloaded pizzas. Joy ate $\frac{1}{4}$ of the overloaded pizza and $\frac{2}{8}$ of the pepperoni pizza while Venice ate $\frac{2}{5}$ and $\frac{1}{6}$ of overloaded and pepperoni pizzas respectively. Which of them ate the same amount of pizzas?
    ① Mother ② Joy ③ Venice ④ none of them
14. The following fractions are reduced to its lowest term **except** one. Which of this?
    ① $\frac{98}{99}$ ② $\frac{73}{179}$ ③ $\frac{1}{250}$ ④ $\frac{81}{729}$
15. Jun is having a water therapy. He drinks $\frac{4}{6}$ liter of water in the morning, $\frac{1}{2}$ liter at noon, $\frac{8}{9}$ liter in the afternoon, and $\frac{3}{4}$ liter in the evening. What part of the day does he drink the least?
    ① noon ② morning ③ evening ④ afternoon
16. Larry is preparing a surprise party for his son's birthday. He bought $2\frac{2}{4}$ kilograms of pork, $2\frac{5}{6}$ kilograms of chicken, $2\frac{1}{4}$ kilograms of beef, and $2\frac{2}{6}$ kilograms of fish. Which meat he bought that is close to 3 kilograms?
    ① beef ② chicken ③ fish ④ pork
17. Gina bought $\frac{3}{5}$ meter of blue lace and $\frac{4}{5}$ meter of yellow lace. How many meters of lace did she buy altogether?
    ① $\frac{12}{25}$ ② $\frac{7}{10}$ ③ $1\frac{2}{8}$ ④ $1\frac{2}{5}$
18. What will you get if you add  and  ?
    ① $1\frac{7}{30}$ ② $1\frac{3}{4}$ ③ $1\frac{7}{10}$ ④ $1\frac{1}{9}$

19. Avita and Racelie drank $\frac{2}{9}$ liter and $\frac{1}{3}$ liter of orange juice respectively. What is the total volume of orange juice that they have drank?

① $\frac{9}{10}$ ② $\frac{4}{6}$ ③ $\frac{5}{9}$ ④ $\frac{6}{11}$

20. The Grade V pupils donated rice for the feeding program of the less fortunate children sponsored by their school. Joyce donated $\frac{5}{6}$ kilogram, Arlene donated $\frac{3}{4}$ kilogram, and Irene donated 2 kilograms of rice. How many kilograms of rice did they donate in all?

① $6\ \frac{5}{6}$ ② $5\ \frac{2}{7}$ ③ $4\ \frac{1}{9}$ ④ $3\ \frac{7}{12}$

21. In 2013, Clemente bought $11\ \frac{4}{5}$ hectares of rice field and 5 hectares of banana plantation. How many hectares of land did he buy?

① $6\ \frac{4}{5}$ ② $11\ \frac{4}{5}$ ③ $16\ \frac{4}{5}$ ④ $55\ \frac{4}{5}$

22. Mila spent $1\ \frac{1}{12}$ hour to do his Mathematics exercise, $\frac{1}{2}$ hour to write an essay, and $\frac{5}{6}$ hour to memorize a short poem.

What is the total time spent by her to do her homework?

① $2\ \frac{5}{12}$ ② $1\ \frac{7}{20}$ ③ $1\ \frac{19}{12}$ ④ $\frac{7}{20}$

23. After using $2\ \frac{2}{5}$ kilograms of sugar to make cakes, Letty still have $3\ \frac{4}{6}$ kilograms of sugar left. How much sugar did Letty have in the beginning?

① $6\ \frac{1}{15}$ ② $6\ \frac{2}{30}$ ③ $5\ \frac{32}{30}$ ④ $1\ \frac{1}{15}$

24. A squash weighs $1\ \frac{2}{3}$ kilogram. A watermelon weighs $2\ \frac{5}{6}$ kilograms. About how many kilograms do the two fruits weigh?

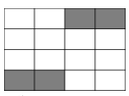
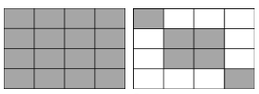
① 2 ② 3 ③ 4 ④ 5

For item no. 25

> Nelfa bought meter of yellow ribbon, meter of blue ribbon, and meter of red ribbon. How long of ribbons did she buy in all?

25. What is asked in the problem?

① The number of yellow ribbon/s bought.
② The total length of ribbons bought.
③ The total number of ribbons bought.
④ The colors of ribbons bought.

26. What will you get if you subtract  from  ?

① $1\ \frac{4}{5}$ ② $1\ \frac{1}{8}$ ③ $2\ \frac{3}{6}$ ④ $2\ \frac{7}{9}$

27. There were 48 liters of water in a tank. Vivian used $29\ \frac{2}{6}$ liters of water. How much water is left?

① $77\ \frac{1}{3}$ ② $43\ \frac{1}{3}$ ③ $25\ \frac{1}{3}$ ④ $19\ \frac{1}{3}$

28. Jason bought 7 kilograms of rambutan. He gave $\frac{1}{2}$ kilograms of it to his friend. How much was left?

① $\frac{1}{14}$ ② $\frac{7}{2}$ ③ $7\ \frac{1}{2}$ ④ $6\ \frac{1}{2}$

29. Randy took $2\ \frac{2}{8}$ hours to do gardening. He took $\frac{7}{8}$ hour to weed the garden and the remaining time to water the plants.

How many hours did it took him to water the plants?

① $3\ \frac{1}{8}$ ② $2\ \frac{9}{8}$ ③ $1\ \frac{3}{8}$ ④ $1\ \frac{1}{8}$

30. There are 4 cakes on the table. Lilibeth and her family ate $2\ \frac{3}{4}$ of the cakes. How many cakes are left on the table?

① $1\ \frac{1}{4}$ ② $6\ \frac{3}{4}$ ③ $8\ \frac{3}{4}$ ④ $10\ \frac{2}{4}$

31. The length of a piece of rope was $5\ \frac{4}{7}$ meter. Dinah cut out $3\ \frac{1}{7}$ meter of the rope. How long of the rope is left?

① $2\ \frac{3}{7}$ ② $2\ \frac{5}{7}$ ③ $8\ \frac{5}{7}$ ④ $15\ \frac{5}{7}$

32. What will you get if you take away $\frac{11}{15}$ from $\frac{8}{9}$?

① $\frac{19}{24}$ ② $\frac{3}{6}$ ③ $\frac{7}{45}$ ④ $\frac{1}{3}$

33. Evelyn bought $\frac{9}{10}$ meter of pongee cloth. She used $\frac{2}{3}$ meter of it to decorate her portfolio. How many meters of cloth were left?

① $\frac{7}{30}$ ② $\frac{11}{13}$ ③ $\frac{18}{30}$ ④ $\frac{9}{15}$

34. There is $4\frac{1}{2}$ liters of mango juice in a jug. The volume of mango juice in a bottle is $\frac{3}{7}$ liter less than that in the jug. How much mango juice is there in the bottle?

① $4\frac{4}{9}$ L ② $4\frac{1}{14}$ L ③ $4\frac{3}{14}$ L ④ $4\frac{6}{7}$

35. Helen cuts a piece of cloth that is $6\frac{2}{3}$ meters long into 2 parts. One part of the cloth is $2\frac{1}{6}$ meters long. What is the length of the other part of the cloth?

① $2\frac{1}{3}$ ② $4\frac{1}{3}$ ③ $8\frac{3}{9}$ ④ $12\frac{2}{18}$

For item 36-37.

> Lilia has 2 of silk cloth. After using a piece of it, she still has 1 meter of cloth left. How long of cloth did Lilia use?

36. What is asked in the problem?

① Length of the cloth used by Lilia.
② Amount of cloth bought by Lilia.
③ Kind of cloth used by Lilia.
④ Quality of cloth used by Lilia.

37. What is the mathematical sentence?

① $2\frac{3}{5} + 1\frac{4}{5} = N$
② $2\frac{3}{5} \div 1\frac{4}{5} = N$
③ $2\frac{3}{5} \times 1\frac{4}{5} = N$
④ $2\frac{3}{5} - 1\frac{4}{5} = N$

For item numbers 38-40

> Jamela bought 5 kilograms of flour. She used 2 kilograms and 1 kilograms of flour respectively to bake a cake and some cookies. How much flour is left?

38. What is asked?

① The number of cakes and cookies baked.
② The quantity of flour left.
③ The amount of flour bought.
④ The quantity of flour used.

39. What is the mathematical sentence?

① $5\frac{3}{4} + (2\frac{2}{6} - 1\frac{8}{12}) = N$
② $5\frac{3}{4} \times (2\frac{2}{6} - 1\frac{8}{12}) = N$
③ $5\frac{3}{4} - (2\frac{2}{6} + 1\frac{8}{12}) = N$
④ $5\frac{3}{4} \div (2\frac{2}{6} \times 1\frac{8}{12}) = N$

40. What is the answer?

① $7\frac{1}{4}$ ② $5\frac{5}{6}$ ③ $1\frac{3}{4}$ ④ $\frac{1}{6}$

FIRST QUARTERLY EXAMINATION
Mathematics 5

TABLE OF SPECIFICATIONS

COMPETENCIES	ITEMS	KNOWLEDGE	COMPREHENSION	APPLICATION	ANALYSIS	SYNTHESIS	EVALUATION	ANSWER KEY
Properties of Whole Numbers: Addition and Multiplication	1	■						2
	2		■					3
Operations of Whole Numbers through Problem Solving: Addition	3		■					1
	4		■					3
Operations of Whole Numbers through Problem Solving: Subtraction	5		■					1
	6		■					2
Operations of Whole Numbers through Problem Solving: Multiplication	7	■						4
Operations of Whole Numbers through Problem Solving: Division	8			■				4
Differentiate prime and composite numbers.	9			■				3
Give the common factors of given numbers.	10				■			1
Find prime factors of a number.	11				■			2
Change dissimilar fractions to similar fractions.	12			■				2
Identify equal fractions using the cross product method.	13				■			2
Change fractions to lowest/higher term (LCM/GCF).	14				■			4
Order dissimilar fractions written in different forms from least to greatest and vice versa.	15				■			1
Estimate fractions close to 0, 1/2. or 1.	16				■			2
Add two to four similar fractions.	17			■				4
Visualize addition of dissimilar fractions (using concrete and visual/pictorial model).	18			■				1
Add dissimilar fractions.	19			■				3
Add dissimilar fractions and whole numbers.	20			■				4
Add whole numbers and mixed forms.	21			■				3
Add mixed forms and dissimilar fractions.	22			■				1
Add mixed forms.	23				■			1
Estimate sum.	24	■						3
Solve word problems involving addition of similar and dissimilar fractions without or with regrouping following the steps in problem solving.	25	■						2
Visualize subtraction of fraction and mixed form.(using concrete and visual/pictorial model).	26				■			2
Subtract whole numbers from mixed forms without and with regrouping.	27				■			4
Subtract fractions from whole numbers.	28				■			4

Subtract fractions from mixed numbers with and without regrouping.	29							3
Subtract mixed numbers from whole numbers.	30							1
Subtract mixed numbers from mixed numbers (with similar fractions).	31							1
Visualize subtraction of dissimilar fractions.	32							3
	33							1
Subtract fractions from mixed numbers without and with regrouping.	34							2
Subtract mixed numbers from mixed numbers with and without regrouping	35							2
Solve word problems involving subtraction of fractions following the steps in problem solving.	36							1
	37							4
Solve word problems/two-step word problems involving addition and subtraction of fractions following the steps in problem solving.	38							2
	39							3
	40							3