This is a Class 1 exam

Lebanon Evangelical School for Boys and Girls

Lebanon Evangelical School
for Boys and Girls Loueizeh - Baabda

SE01 Exam

09NOV2026

Do NOT write in this box. Your MARK will be placed here.

Subject :	Maths
Class :	6E
Teacher :	Rami Bou Karroum
Duration :	1 hour

Write your answer neatly on this paper. Show your work.
Note:Calculators are not allowed.

You are to answer the questions to this exam on : this exam paper

Your name :		*Time taken to complete exam*
Your Class :		
Exam Room :		
How many sheets, including cover sheet :		

- Do not open this paper until the teacher in charge instructs you to do so.
- The most important thing to remember in taking an exam is NEVER PANIC.
- If you are caught cheating in this exam, you will be awarded zero for ALL exams that are taken on this day.

I) Complete the following table by yes (Y) or no (N). (10.5 points)

	762	243	4,490
Divisible by 2			
Divisible by 3			
Divisible by 4			
Divisible by 5			
Divisible by 6			
Divisible by 9			
Divisible by 10			

II) Write the divisors of a and b, then find the G.C.D. (1.5 points)

1) a = 48 and b = 30

2) Find the G.C.D of the two numbers 16 and 21. Are 16 and 21 relatively prime? Justify. (3 points)

III) Write the multiples of 6 that are less than 50. (1 point)

IV) Find, in the fastest way possible, the L.C.M of the following; then justify. (4 points)

a) 7 and 35

b) 3 and 5

V) Find the L.C.M of the following numbers using the **ladder** way. (4 points)

1) a = 24 b = 36	2) a = 35 b = 49

VI) Change into irreducible fractions. (2 points)

1) $\frac{14}{18}$ _____

2) $\frac{21}{49}$ _____

VII) indicate among the following fractions those that are decimals. Circle them. (3 points)

$\frac{24}{50}$; $\frac{3}{4}$; $\frac{14}{24}$; $\frac{6}{11}$; $\frac{17}{20}$; $\frac{34}{37}$

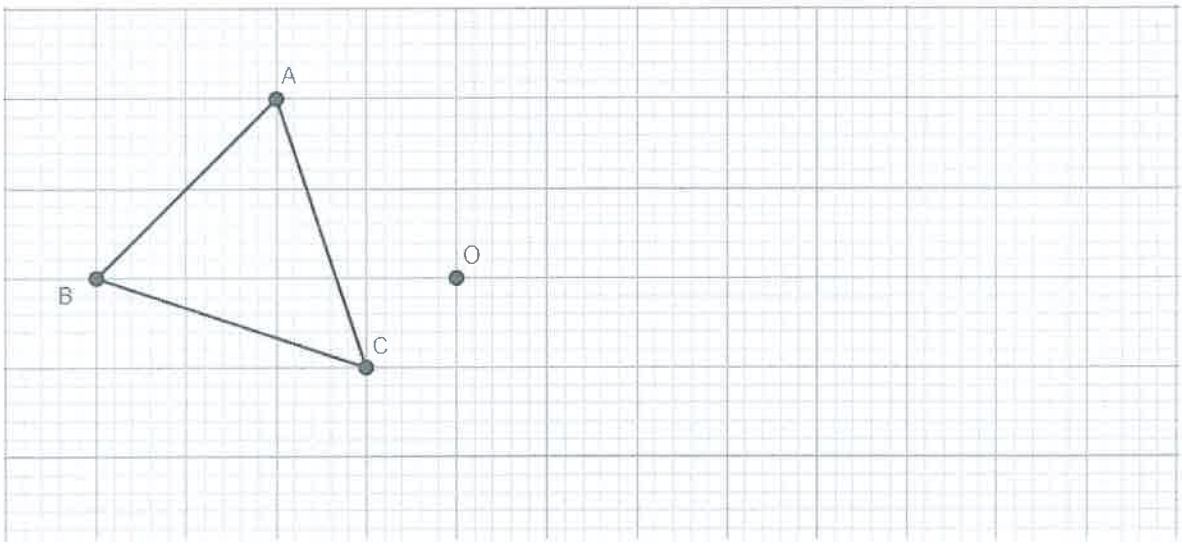
VIII) Give 2 equivalent fractions for each of the following fractions. (2 points)

1) $\frac{3}{4}$ _____

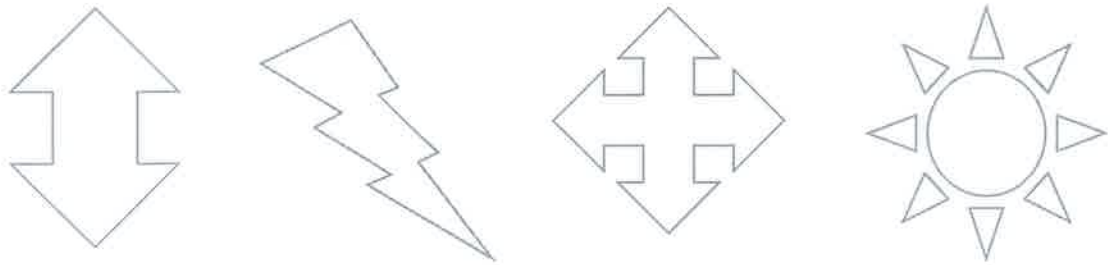
2) $\frac{6}{16}$ _____

Part 2 : Problem Solving

I) Draw a triangle EFG, the symmetry of the given triangle ABC below, with respect to point O. (1.5 points)



II) Observe and verify if each figure below has a center of symmetry (yes or no), then place this center. (3.5 points)



_____ _____ _____ _____

III) Maya has 90 tickets to distribute to her friends. She gives 45 to Lina, 30 to Sara, and the rest to Rima. (2 points)

1° How many tickets does Rima receive?

2° What fraction of the tickets does each girl receive?

IV) Two school bells ring at the same time. The first bell rings every 8 minutes and the second bell rings every 12 minutes. (2 points)

1° After how many minutes will the two bells ring together again?

2° Calculate the L.C.M. of 8 and 12.

V) A florist has 42 white roses and 70 red roses. She wants to make identical bouquets using all the roses. (3 points)

1° Calculate the G.C.D. of 42 and 70.

2° What is the greatest number of bouquets she can make?

3° Calculate the number of white roses and red roses in each bouquet.

I) Complete the following table by yes (Y) or no (N). (10.5 points)

	762	243	4,490
Divisible by 2	Y	N	Y
Divisible by 3	Y	Y	N
Divisible by 4	N	N	N
Divisible by 5	N	N	Y
Divisible by 6	Y	N	N
Divisible by 9	N	Y	N
Divisible by 10	N	N	Y

0.5 each

II) Write the divisors of a and b, then find the G.C.D. (1.5 points)

1) a = 48 and b = 30

48 : 1, 2, 3, 4, 6, 8, 12, 16, 24, 48 (0.5)

30 : 1, 2, 3, 5, 6, 10, 15, 30 (0.5)

GCD (30, 48) = 6 (0.5)

2) Find the G.C.D of the two numbers 16 and 21. Are 16 and 21 relatively prime? Justify. (3 points)

16 : 1, 2, 4, 8, 16

21 : 1, 3, 7, 21

GCD = 1 so they are relatively prime ✓

III) Write the multiples of 6 that are less than 50. (1 point)

6 : 0, 6, 12, 18, 24, 30, 36, 42, 48.

IV) Find, in the fastest way possible, the L.C.M of the following; then justify. (4 points)

a) 7 and 35

LCM = 35 since 35 is a multiple of 7.

(1) (1)

b) 3 and 5

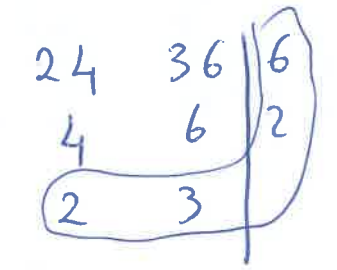
(1)

LCM = 3 x 5 = 15 since 3 and 5 are prime numbers.

(1)

V) Find the L.C.M of the following numbers using the **ladder** way. (4 points)

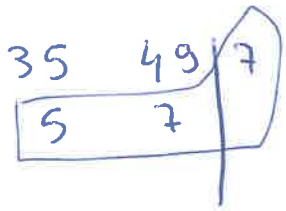
1) a = 24 b = 36



(1)

LCM = 6 × 2 × 2 × 3 = 72 (1)

2) a = 35 b = 49



(1)

LCM = 7 × 5 × 7 = 245 (1)

VI) Change into irreducible fractions. (2 points)

1) $\frac{14}{18} = \frac{14 \div 2}{18 \div 2} = \frac{7}{9}$ (1)

2) $\frac{21}{49} = \frac{21 \div 7}{49 \div 7} = \frac{3}{7}$ (1)

VII) indicate among the following fractions those that are decimals. Circle them. (3 points)

(1) each

$\frac{24}{50}$; $\frac{3}{4}$; $\frac{14}{24}$; $\frac{6}{11}$; $\frac{17}{20}$; $\frac{34}{37}$

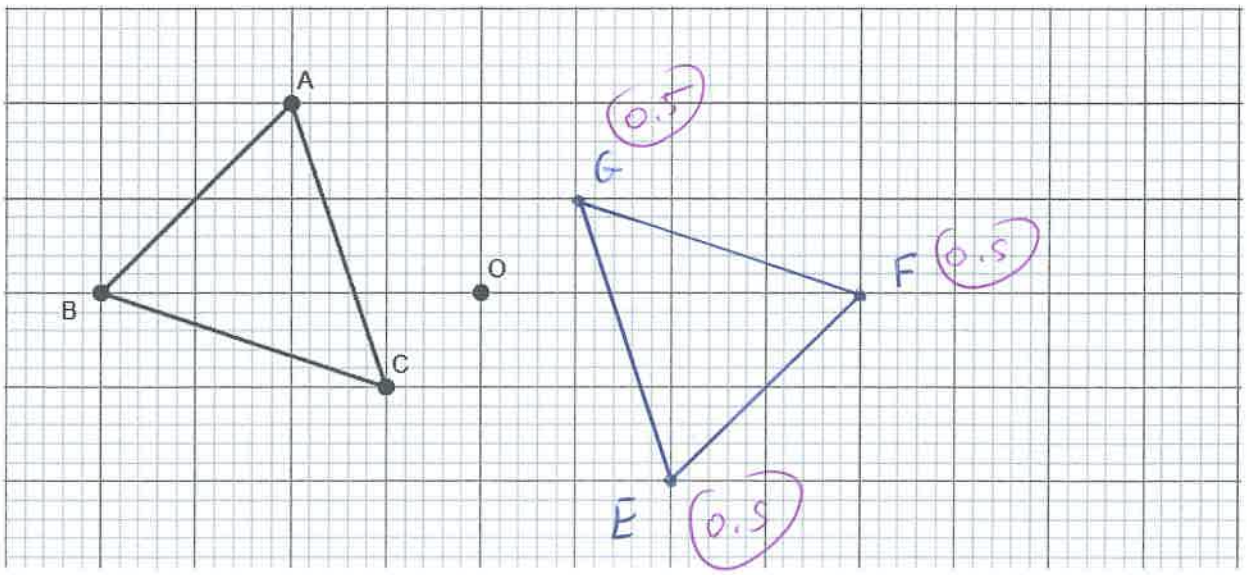
VIII) Give 2 equivalent fractions for each of the following fractions. (2 points)

1) $\frac{3}{4} = \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$ / $\frac{3 \times 3}{4 \times 3} = \frac{9}{12}$ ... (1)

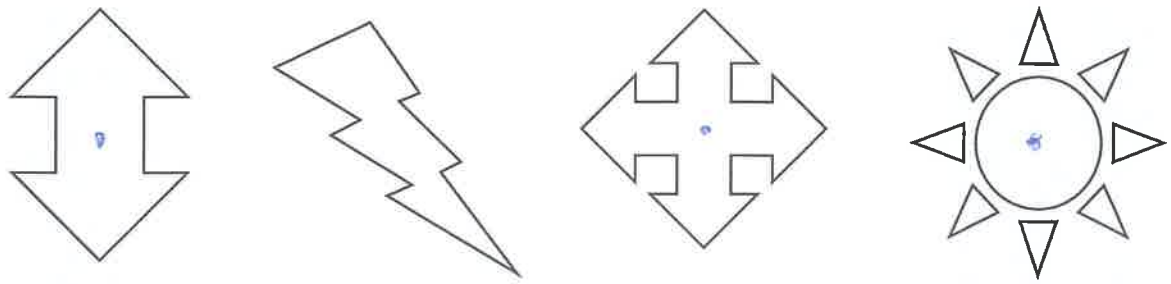
2) $\frac{6}{16} = \frac{6 \div 2}{16 \div 2} = \frac{3 \times 10}{8 \times 10} = \frac{30}{80}$ ... (1)

Part 2 : Problem Solving

I) Draw a triangle EFG, the symmetry of the given triangle ABC below, with respect to point O. (1.5 points)



II) Observe and verify if each figure below has a center of symmetry (yes or no), then place this center. (3.5 points)



yes (1) | no (0.5) | yes (1) | yes (1)

III) Maya has 90 tickets to distribute to her friends. She gives 45 to Lina, 30 to Sara, and the rest to Rima. (2 points)

1° How many tickets does Rima receive?

Rima: $90 - (45+30)$ (1)

$= 90 - 75 = 15$ tickets

2° What fraction of the tickets does each girl receive?

Lina $= \frac{45}{90} = \frac{1}{2}$ Sara $= \frac{30}{90} = \frac{1}{3}$ (1)

Rima $= \frac{15}{90} = \frac{1}{6}$

IV) Two school bells ring at the same time. The first bell rings every 8 minutes and the second bell rings every 12 minutes. (2 points)

1° After how many minutes will the two bells ring together again?

8: 0, 8, 16, (24), 32

12: 0, 12, (24) (1)

After 24 minutes.

2° Calculate the L.C.M. of 8 and 12.

8	12	4
2	3	

LCM $= 4 \times 2 \times 3 = 24$ (1)

V) A florist has 42 white roses and 70 red roses. She wants to make identical bouquets using all the roses. (3 points)

1° Calculate the G.C.D. of 42 and 70.

42 | 70 | 2
21 | 35 | 7
3 | 5 |

GCD = 2 × 7 = 14. (1)

2° What is the greatest number of bouquets she can make?

She can make 14 bouquets. (1)

3° Calculate the number of white roses and red roses in each bouquet.

White: 42 ÷ 14 = 3 white roses.

Red: 70 ÷ 14 = 5 red roses (1)