This is a Class 1 exam

Lebanon Evangelical School for Boys and Girls

Lebanon Evangelical School
for Boys and Girls Loueizeh - Baabda

Stage Exam 03
FEB2023

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

Subject :	Maths
Class :	6A, 6B, 6C and 6E
Teacher :	Mrs. Mona Abou Rjeili
Duration :	1 hour

Don't write on the exam paper. Answer on a separate 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.

A) Tell whether the following numbers are divisible by 2,3,5,6,9, or 10. [3 marks]

1) 306

2) 75

B) Find the prime Factorization of the following. [4 marks]

1) 630

2) 18

C) Find the LCM of each pair. [2 marks]

1) 17, 3

2) 10, 15

D) Write each decimal as a fraction in Lowest terms. [2 marks]

1) 0.25 =

2) 0.186 =

E) Write each fraction as a decimal. [2 marks]

1) $\frac{3}{5} =$

2) $\frac{49}{50} =$

F) Compare using <, > or =. [3 marks]

1) $\frac{2}{3} \square \frac{1}{2}$

2) $\frac{3}{8} \square \frac{3}{4}$

3) $\frac{2}{7} \square \frac{8}{28}$

G) Subtract. Write each answer as a whole number or mixed number in lowest terms.

[2 marks]

1) $3\frac{5}{8} - 1\frac{9}{10} =$

H-) Add. Write each answer as a whole number or mixed number in lowest terms.

[2 marks]

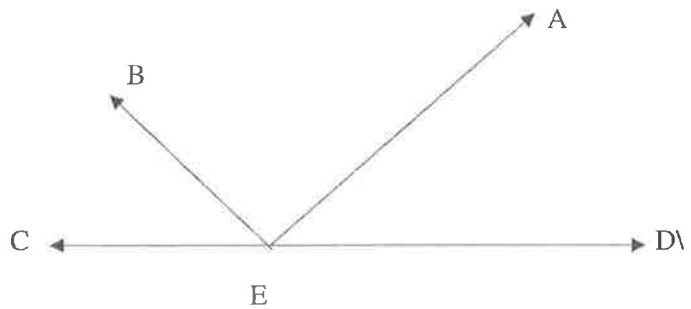
1) $4\frac{2}{5} + 1\frac{2}{3} =$

I-) Solve, the answer should be in LOWEST TERMS. [4 marks]

1) Last year a small tree was $5\frac{1}{2}$ ft tall. This year the tree is $6\frac{2}{3}$ ft tall. What was the change in height?

2) One cherry tree in Clothilde's backyard produced $2\frac{1}{2}$bushels of cherries. The other cherry tree produced $1\frac{3}{4}$ bushels of cherries. What was the total produced by both trees?

J-) Observe the figure below and answer the following. [6 marks]



1) Are CÊB and BÊA adjacent? Justify.

2) Are CÊB and CÊA adjacent? Justify.

3) Are BÊC and AÊD adjacent? Justify.

SEO3 Math Answer Key

Grade 6 A, B, C and E.

A)

1) 306 is divisible by 2 (it is even) ½
is divisible by 3 (3+0+6=9) divisible by 3. ½
is divisible by 6 (divisible by 2 and 3) ½
is divisible by 9 (3+0+6=9) divisible by 9. ½

2) 75 is divisible by 3 (7+5=12) divisible by 3. ½
is divisible by 5 (last or ones digit is 5) ½

B) 1)

2	630
5	315
3	63
3	21
7	7
	1

$630 = 2 \times 3^2 * 5 \times 7$ 2

2)

2	18
3	9
3	3
	1

$18 = 2 \times 3^2$ (2)

C)

1)

	17, 3

LCM (17, 3) = 17 × 3 = 51 (1)

2)

5	10, 15
	2, 3

LCM (10, 15) = 5 × 2 × 3 = 30 (1)

D)

1) $0.25 = \frac{25}{100} \div \frac{25}{25} = \frac{1}{4}$ (1)

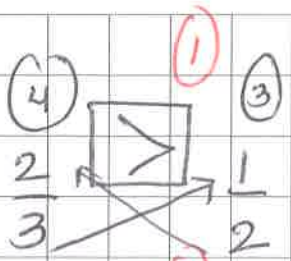
2) $0.186 = \frac{186}{1000} = \frac{93}{500}$ (1)

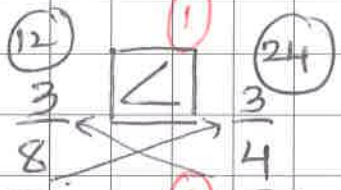
E)

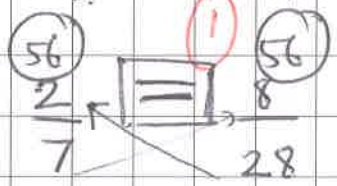
1) $\frac{3 \times 2}{5 \times 2} = \frac{6}{10} = 0.6$ or $5\overline{)3.0}$ 0.6, -30, 00 (1)

2) $\frac{49 \times 2}{50 \times 2} = \frac{98}{100} = 0.98$ or $50\overline{)49.00}$ 0.98, -450, 400, -400, 000 (1)

F)

1) 

2) 

3) 

G)

1) $3\frac{5}{8}\overset{\times 5}{\underset{\times 5}{}} - 1\frac{9}{10}\overset{\times 4}{\underset{\times 4}{}}$

$= 3\frac{25+40}{40} - 1\frac{36}{40}$

$= 2\frac{65}{40} - 1\frac{36}{40}$

$= 1\frac{29}{40}$ (2)

H)

1) $4\frac{2\times 3}{5\times 3} + 1\frac{2\times 5}{3\times 5} = 4\frac{6}{15} + 1\frac{10}{15} = 5\frac{16}{15} = 6\frac{1}{15}$ (2)

$1\frac{1}{15}$

$15\overline{)16}$ (1, remainder 1) $= 1\frac{1}{15}$

I-)

1) $6\frac{2\times2}{3\times2} - 5\frac{1\times3}{2\times3} = 6\frac{4}{6} - 5\frac{3}{6} = 1\frac{1}{6}$ ft. (2)

2) $2\frac{1\times2}{2\times2} + 1\frac{3}{4} = 2\frac{2}{4} + 1\frac{3}{4} = 3\frac{5}{4} = 4\frac{1}{4}$ bushels. (2)

$1\frac{1}{4}$

J)

1) Yes, $C\hat{E}B$ and $B\hat{E}A$ are adjacent because they have (4)
- the same vertex.
- common side.
- and are situated at the opposite sides of the common side.

2) No, because they are not situated at the opposite sides of the common side. (1)

3) No, because they don't have a common side. (1)