Mathematics Test **Grade:** 6 (A, B, C) **Date:** Thursday, January 8th,2026 **Duration** : 1 period		**/ 20**
Name: ……..	**Coordinator's Signature:**	**Parent's Signature:**

<u>Question 1:</u> Perform and simplify whenever possible. **(5 points)**

a) $\frac{12}{70} \times \frac{35}{36} =$ ……..

b) $\frac{121}{50} \div \frac{11}{20} =$ ……

c) $\left(\frac{4}{3} + \frac{10}{9}\right) \times \frac{63}{44} =$ ……

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d) $10\frac{3}{5} + 2\frac{6}{15} =$ ……

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e) $3\frac{5}{6} \div \left(\frac{60}{36} - \frac{7}{12}\right) =$ ……

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<u>Question 2:</u> Calculate showing the necessary steps. **(3 points)**

(+15) + (+3.5) = ……	(+55) + (-101) = ……
(-12) + (-19.3) =……	(+47) - (+47) = ……
(+20) + (-13.6) =……	(+87) − (−13) =……

Question 3: **Compare using < , > or =.** **(3 points)**

$+42.3$ ..... $+42.198$ -161.8..... 0

-40 ..... $+20$ $-\frac{2}{3}$ ..... $-\frac{5}{33}$

$+704$ ..... $+\frac{7040}{10}$ 0..... $+453.9564$

Question 4: **Given the following X'OX axis.** **(5 points)**

a) Give the abscissas of points K, M and Z.

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b) Place the points A, B, C and D on the axis such that:

- The abscissa of A is opposite to that of K
- The abscissa of B is 3 units to the left of Z
- The abscissa of C is 1 unit to the right of M
- The abscissa of D is Opp(opp(+5))

c) Give a pair of points that are symmetrical with respect to the origin.

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d) Find the length of ZK.

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e) Suppose that E is a point whose is an integer included between -4 and $+2$.

Write all the possible abscissas of point E.

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Question 5: **(4 points)**

a) Draw a segment [EF] measuring 9 cm.

b) Place M the midpoint of [EF].

c) Draw (d_1) the perpendicular bisector of [ME] **(using the set-square).**

d) Draw (d_2) the perpendicular bisector of [MF]**(using the compass).**

e) i. State the ***property*** of the perpendicular bisector of a segment.

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ii. If H is a point on (d_1) such that $HM = 3cm$, what is the measure of HE?

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f) Rewrite the following statements correctly.

i. For every segment, we can draw two perpendicular bisectors.

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ii. To draw the perpendicular bisector of a segment using the compass, we draw 2 circles of radii equal to half of the segment.

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g) What is the relative position of (d_1) with respect to (d_2)? Justify.

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