



Agenția Națională pentru
Curriculum și Evaluare

MATEMATICA (ÎN LIMBA ENGLEZĂ)
EXAMEN NAȚIONAL DE ABSOLVIRE A GIMNAZIULUI
SESIUNEA DE BAZĂ

08 iunie 2026
Timp alocat – 120 de minute

Rechizite și materiale permise: *pix cu cerneală albastră, creion, riglă, radieră.*

Instrucțiuni pentru candidat:

- Citește cu atenție fiecare item și efectuează operațiile solicitate.
 - Lucrează independent.
-

Îți dorim mult succes!

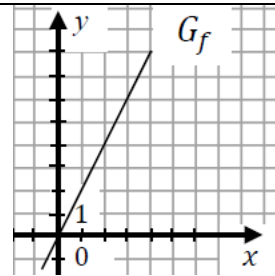
4. At a charity fair, 350 cakes were offered for sale, but only 315 were sold. Determine what percentage of the cakes were not sold.

Solution:

Answer: _____.

4|L|0|1|2|3|4|5

5. On the picture, the graph of the function $f: \mathbb{R} \rightarrow \mathbb{R}$,
 $f(x) = ax + b, a \neq 0$, is represented. Write in the box an integer,
so that the point $(\square, 4)$ lies on the graph of the function f .



5|L|0|2

6. Determine the smallest positive integer that is solution to the inequality

$$x(3x - 1) < 3x^2 + 4x - 10.$$

Solution:

Answer: _____.

6|L|0|1|2|3|4

7. Calculate the value of the expression:

$$\left(\frac{6}{\sqrt{3}} - 6\sqrt{3}\right) : \sqrt{75} + \left(\frac{5}{9}\right)^{-1}.$$

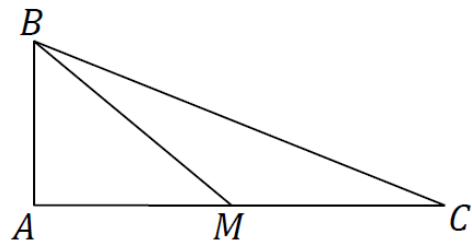
Solution:

Answer: _____.

7|L|0|1|2
|3|4|5|6

8. In the right triangle ABC , $m(\angle A) = 90^\circ$, $m(\angle C) = 30^\circ$, $BC = 12$ cm, and BM is a median. Determine the area of the triangle ABM .

Solution:



Answer: _____.

8|L|0|1|2
|3|4|5

9.

One kilogram of wheat costs 4 lei, and one kilogram of oats costs 6 lei. 20 kg of a mixture of wheat and oats costs 104 lei. Determine how many kilograms of wheat and how many kilograms of oats the mixture contains.

Solution:

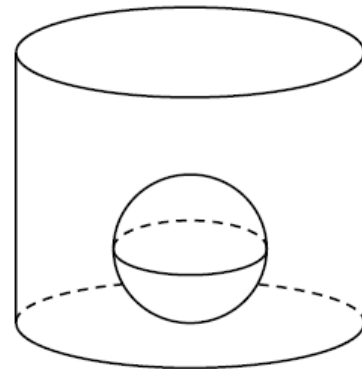
Answer: _____.

9|L|0|1|2
|3|4|5

10.

In a vessel in a shape of a right circular cylinder with a base radius of 6 cm and a height of 11 cm, a metallic sphere of radius 3 cm is placed. One litre of water is poured into the vessel. Determine whether the water fits in the vessel.

Solution:



Answer: _____.

10|L|0|1|
2|3|4|5

