

INSTITUCIÓN EDUCATIVA DIVERSIFICADO DE CHÍA

ACTIVIDAD DE MATEMÁTICAS 7

REPRESENTACIÓN DE NÚMEROS RACIONALES

GRADO SEPTIMO

PROFESORA: INGRID CARDOZO



NOMBRE: _____

CURSO: _____

SIGUE PASO A PASO LAS INSTRUCCIONES EN LA HOJA MILIMETRADA PARA DESCUBRIR LA FIGURA TENIENDO EN CUENTA LAS COORDENADAS.

1. El eje y va de arriba a abajo por el número 11.
2. El eje x va de derecha a izquierda por el número 15.
3. El eje y cada centímetro representa una doceava parte del segmento.
4. El eje x cada tres centímetros representan la tercera parte del segmento.
5. Además en el eje y cada 5 milímetros representa una veinticuatroava parte del segmento.
6. En el eje x cada centímetro representa la novena parte del segmento.
7. Además en el eje x cada 5 milímetros representa una dieciochoava parte del segmento.
8. Recuerda que para hallar las coordenadas va primero el número del eje x y luego el del eje y .
9. Las coordenadas van unidas por segmentos en partes hasta encontrar el símbolo // que significa que son separados del punto anterior.
10. Cada parte va del color indicado.
11. Cada sección forma una parte de la figura que juntas constituyen una sola completa.



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$$\left(-\frac{2}{3}, -\frac{14}{12}\right); \left(-\frac{2}{3}, -\frac{10}{12}\right); \left(-\frac{5}{9}, -\frac{9}{12}\right); \left(-\frac{5}{9}, -\frac{8}{12}\right); \left(-\frac{4}{9}, -\frac{7}{12}\right); \left(-\frac{4}{9}, -\frac{6}{12}\right);$$

$$\left(-\frac{1}{3}, -\frac{5}{12}\right); \left(-\frac{1}{3}, -\frac{7}{24}\right); \left(-\frac{2}{9}, -\frac{4}{12}\right); \left(\frac{1}{18}, -\frac{4}{12}\right); \left(\frac{1}{9}, -\frac{7}{24}\right); \left(\frac{3}{18}, -\frac{7}{24}\right);$$

$$\left(\frac{2}{9}, -\frac{3}{12}\right); \left(\frac{4}{9}, -\frac{7}{12}\right); \left(\frac{4}{9}, -\frac{8}{12}\right); \left(\frac{5}{9}, -\frac{9}{12}\right); \left(\frac{5}{9}, -\frac{10}{12}\right); \left(\frac{2}{3}, -\frac{11}{12}\right); \left(\frac{2}{3}, -\frac{13}{12}\right) //$$

$$\left(-\frac{4}{9}, -\frac{14}{12}\right); \left(-\frac{1}{3}, -\frac{13}{12}\right); \left(-\frac{2}{9}, -\frac{13}{12}\right) // \left(-\frac{4}{9}, -\frac{14}{12}\right); \left(-\frac{1}{3}, -\frac{13}{12}\right); \left(-\frac{2}{9}, -\frac{13}{12}\right);$$

$$\left(-\frac{2}{9}, -\frac{14}{12}\right) // \left(\frac{1}{9}, -\frac{7}{24}\right); \left(\frac{2}{9}, -\frac{5}{12}\right); \left(\frac{2}{9}, -\frac{7}{12}\right); \left(\frac{1}{3}, -\frac{8}{12}\right); \left(\frac{1}{3}, -\frac{10}{12}\right); \left(\frac{4}{9}, -\frac{11}{12}\right);$$

$$\left(\frac{4}{9}, -\frac{13}{12}\right); \left(\frac{1}{3}, -\frac{14}{12}\right) // \left(0, -\frac{14}{12}\right); \left(0, -\frac{11}{12}\right). \quad \text{BLANCO}$$

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$$\left(\frac{7}{18}, 1\right); \left(\frac{4}{9}, 1\right) \left(\frac{4}{9}, \frac{8}{12}\right); \left(\frac{5}{9}, \frac{7}{12}\right); \left(\frac{5}{9}, \frac{8}{12}\right); \left(\frac{2}{3}, \frac{5}{12}\right); \left(\frac{2}{3}, \frac{2}{12}\right); \left(\frac{2}{9}, -\frac{1}{12}\right) // \left(\frac{7}{24}, 0, 0, 2\right)$$

$$\left(\frac{7}{24}, \frac{3}{12}\right); \left(\frac{5}{18}, \frac{4}{12}\right) // \left(-\frac{2}{9}, -\frac{2}{12}\right); \left(-\frac{2}{3}, -\frac{2}{12}\right); \left(-1, \frac{1}{12}\right); \left(-1, \frac{8}{12}\right); \left(-\frac{10}{9}, \frac{9}{12}\right);$$

$$\left(-\frac{10}{9}, \frac{10}{12}\right); \left(-\frac{5}{9}, 1\right); \left(-\frac{3}{18}, 1\right); \left(-\frac{1}{9}, \frac{25}{24}\right); \left(\frac{1}{9}, \frac{25}{24}\right); \left(\frac{2}{9}, \frac{23}{24}\right); \left(\frac{7}{18}, \frac{23}{24}\right); \left(\frac{4}{9}, \frac{11}{12}\right) //$$

$$\left(-\frac{1}{3}, -\frac{2}{12}\right); \left(-\frac{5}{9}, 0\right); \left(-\frac{5}{9}, \frac{3}{12}\right) // \left(-\frac{2}{3}, \frac{5}{24}\right); \left(-\frac{5}{9}, \frac{3}{12}\right); \left(-\frac{4}{9}, \frac{5}{24}\right) // \left(-\frac{8}{9}, \frac{8}{12}\right);$$

$$\left(-\frac{8}{9}, \frac{17}{24}\right); \left(-\frac{7}{9}, \frac{9}{12}\right); \left(-\frac{5}{9}, \frac{9}{12}\right) // \left(\frac{1}{18}, \frac{10}{12}\right); \left(\frac{1}{9}, \frac{21}{24}\right); \left(\frac{1}{3}, \frac{21}{24}\right); \left(\frac{7}{18}, \frac{10}{12}\right) //$$

$$\left(-\frac{1}{3}, \frac{9}{24}\right); \left(-\frac{2}{9}, \frac{5}{12}\right); \left(0, \frac{5}{12}\right). \quad \text{BLANCO}$$



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$$\left(-\frac{2}{9}; -\frac{2}{12}\right); \left(-\frac{1}{3}; -\frac{2}{12}\right); \left(-\frac{1}{3}; -\frac{7}{24}\right); \left(-\frac{2}{9}; -\frac{4}{12}\right); \left(-\frac{1}{18}; -\frac{4}{12}\right); \left(-\frac{1}{9}; -\frac{7}{24}\right);$$

$$\left(\frac{3}{18}; -\frac{7}{24}\right); \left(\frac{2}{9}; -\frac{3}{12}\right); \left(\frac{1}{9}; -\frac{3}{24}\right).$$

AZUL

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$$\left(-\frac{1}{18}; -\frac{2}{12}\right); \left(-\frac{1}{18}; -\frac{1}{12}\right); \left(-\frac{1}{9}; -\frac{1}{24}\right); \left(-\frac{2}{9}; -\frac{1}{12}\right); \left(-\frac{2}{9}; -\frac{3}{12}\right);$$

$$\left(-\frac{1}{9}; -\frac{4}{12}\right); \left(\frac{1}{18}; -\frac{4}{12}\right); \left(\frac{1}{9}; -\frac{7}{24}\right); \left(\frac{1}{9}; -\frac{1}{12}\right); (0,0) \left(-\frac{1}{9}; 0\right); \left(-\frac{1}{9}; -\frac{1}{24}\right).$$

ROSADA

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$$\left(-\frac{7}{9}, \frac{7}{12}\right); \left(-\frac{13}{18}, \frac{15}{24}\right); \left(-\frac{11}{18}, \frac{15}{24}\right); \left(-\frac{5}{9}, \frac{7}{12}\right); \left(-\frac{5}{9}, \frac{9}{24}\right); \left(-\frac{11}{18}, \frac{4}{12}\right); \left(-\frac{7}{9}, \frac{9}{24}\right);$$

$$\left(-\frac{7}{9}, \frac{7}{12}\right) // \left(\frac{1}{9}, \frac{9}{12}\right); \left(\frac{3}{18}, \frac{19}{24}\right); \left(\frac{5}{18}, \frac{19}{24}\right); \left(\frac{5}{18}, \frac{19}{24}\right); \left(\frac{1}{3}, \frac{9}{12}\right); \left(\frac{1}{3}, \frac{13}{24}\right); \left(\frac{5}{18}, \frac{6}{12}\right);$$

$$\left(\frac{3}{18}, \frac{6}{12}\right); \left(\frac{1}{9}, \frac{13}{24}\right); \left(\frac{1}{9}, \frac{9}{12}\right).$$

BLANCOS

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$$\begin{aligned} & \left(-\frac{5}{9}, \frac{6}{12}\right); \left(-\frac{2}{3}, \frac{6}{12}\right); \left(\frac{13}{18}, \frac{11}{24}\right); \left(\frac{13}{18}, \frac{4}{24}\right) // \left(\frac{1}{3}, \frac{8}{12}\right); \left(\frac{2}{9}, \frac{8}{12}\right); \left(\frac{3}{18}, \frac{15}{24}\right); \left(\frac{3}{18}, \frac{6}{12}\right) \\ & // \left(-\frac{2}{9}, \frac{1}{12}\right); \left(-\frac{5}{18}, \frac{2}{12}\right); \left(-\frac{5}{18}, \frac{3}{12}\right); \left(-\frac{2}{9}, \frac{4}{12}\right); \left(\frac{1}{9}, \frac{4}{12}\right); \left(\frac{3}{18}, \frac{3}{12}\right); \left(\frac{3}{18}, \frac{2}{12}\right); \\ & \left(\frac{1}{9}, \frac{1}{12}\right); \left(-\frac{2}{9}, \frac{1}{12}\right) // \left(-\frac{11}{9}, \frac{3}{12}\right); \left(-\frac{10}{9}, \frac{4}{12}\right); \left(-\frac{10}{9}, \frac{5}{12}\right) \left(-\frac{11}{9}, \frac{6}{12}\right) // \left(\frac{2}{3}, \frac{10}{12}\right); \\ & \left(\frac{2}{3}, 1\right); \left(\frac{5}{9}, \frac{11}{12}\right); \left(\frac{2}{3}, \frac{10}{12}\right) // \left(\frac{2}{3}, \frac{8}{12}\right) \left(\frac{7}{9}, \frac{7}{12}\right); \left(\frac{8}{9}, \frac{7}{12}\right); \left(1, \frac{8}{12}\right); \left(1, \frac{9}{12}\right); \left(\frac{8}{9}, \frac{10}{12}\right); \\ & \left(\frac{2}{3}, \frac{8}{12}\right) // \left(-\frac{4}{9}, -\frac{10}{12}\right); \left(-\frac{1}{3}, -\frac{11}{12}\right); \left(-\frac{1}{9}, -\frac{11}{12}\right); \left(\frac{1}{9}, -\frac{9}{12}\right) \left(0, -\frac{8}{12}\right); \\ & \left(-\frac{2}{9}, -\frac{8}{12}\right); \left(-\frac{4}{9}, -\frac{10}{12}\right). \end{aligned}$$

NEGRAS

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$$\begin{aligned} & \left(\frac{2}{9}, \frac{23}{24}\right); \left(\frac{2}{9}, 1\right); \left(\frac{1}{3}, \frac{14}{12}\right); \left(\frac{7}{9}, \frac{14}{12}\right); \left(\frac{8}{9}, \frac{13}{12}\right); \left(1, \frac{13}{12}\right); \left(\frac{10}{9}, \frac{9}{12}\right); \left(\frac{10}{9}, \frac{7}{12}\right); \left(\frac{8}{9}, \frac{5}{12}\right); \\ & \left(\frac{2}{3}, \frac{5}{12}\right) // \left(-\frac{11}{9}, -\frac{2}{12}\right); \left(-\frac{10}{9}, \frac{1}{12}\right); \left(-\frac{10}{9}, 0\right); \left(-1, \frac{1}{12}\right) // \left(-\frac{10}{9}, \frac{10}{12}\right); \\ & \left(-\frac{21}{18}, \frac{11}{12}\right); \left(-\frac{11}{9}, \frac{11}{12}\right) // \left(-\frac{15}{9}, \frac{11}{12}\right); \left(-\frac{8}{9}, \frac{13}{12}\right); \left(-\frac{11}{9}, \frac{13}{12}\right). \end{aligned}$$

BLANCAS