

**Enunciados**

Representa gráficamente de modo aproximado los números reales de cada uno de los siguientes apartados añadiendo como referencia en la representación los números enteros que consideres necesarios.

$$\textcircled{1} \quad a = -\frac{5}{7} ; b = \frac{\sqrt{5}}{3} ; c = \frac{\pi}{8} ; d = -\frac{\pi}{5}$$

$$\textcircled{2} \quad a = \frac{e+1}{2} ; b = \sqrt{7}-1 ; c = \Phi+\frac{1}{5} ; d = \frac{\pi}{\Phi}$$

$$\textcircled{3} \quad a = \sqrt{15} ; b = \frac{3\pi}{4} ; c = e^2-4 ; d = \frac{\sqrt{33}}{2}$$

$$\textcircled{4} \quad a = e-\pi ; b = \sqrt{2}-2 ; c = -\frac{\sqrt{2}}{2} ; d = \frac{1}{3}-\frac{5}{4}$$

$$\textcircled{5} \quad a = \pi^2 ; b = \sqrt{85} ; c = 4e ; d = \sqrt[3]{1111}$$

$$\textcircled{6} \quad a = \frac{1}{\Phi} ; b = \frac{5}{2}-\pi ; c = \frac{\sqrt{11}}{8} ; d = \frac{1-\pi}{4}$$

$$\textcircled{7} \quad a = \sqrt[3]{2} ; b = \sqrt[3]{7} ; c = e-\frac{1}{5} ; d = \frac{20}{7}$$

$$\textcircled{8} \quad a = \sqrt{2}-\sqrt{7} ; b = \frac{1-e}{2} ; c = \frac{5-2\pi}{3} ; d = 1-\sqrt{8}$$

$$\textcircled{9} \quad a = \frac{1-\sqrt{15}}{2} ; b = \frac{e-8}{7} ; c = \frac{5-8\pi}{9} ; d = \frac{e-\sqrt{51}}{4}$$

$$\textcircled{10} \quad a = \frac{\pi^2-e^2}{2} ; b = \frac{\sqrt{43}}{11} ; c = \frac{1-\pi}{3} ; d = \frac{\pi+\sqrt[3]{384}}{6}$$

$$\textcircled{11} \quad a = \frac{1+\sqrt{7}}{5} ; b = \frac{1-\sqrt{7}}{5} ; c = \sqrt{\frac{11}{6}} ; d = \sqrt[3]{\frac{2}{25}}$$

$$\textcircled{12} \quad a = \sqrt{1+\sqrt{2}} ; b = \sqrt{\sqrt{2}-1} ; c = \frac{1-\sqrt{2}}{\sqrt{0,3}} ; d = \frac{2-e}{3}$$

$$\textcircled{13} \quad a = \frac{e\pi}{7} ; b = \frac{e-2\pi}{2} ; c = \sqrt{2e-3} ; d = -\sqrt[7]{9}$$

$$\textcircled{14} \quad a = \frac{e+\sqrt{15}}{8} ; b = \frac{e-\sqrt{15}}{4} ; c = \sqrt[3]{\frac{1}{7}} ; d = \frac{3-\sqrt{35}}{2}$$

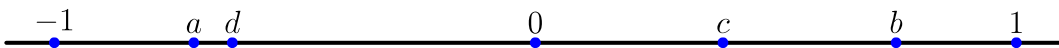
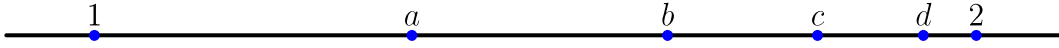
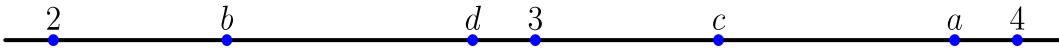


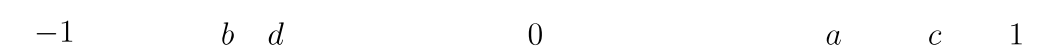

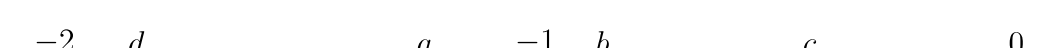


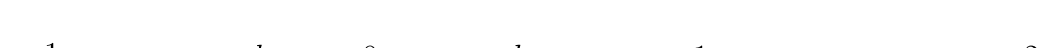







$$\textcircled{15} \quad a = \frac{\sqrt{\sqrt{7}+\sqrt{20}}}{2} ; b = \frac{\sqrt{-\sqrt{7}+\sqrt{20}}}{2} ; c = \frac{1-\sqrt{20}}{5} ; d = \frac{1-\sqrt{30}}{3}$$

$$\textcircled{16} \quad a = \sqrt{\frac{7}{3}+\frac{4}{7}} ; b = \sqrt{\frac{7}{3}-\frac{4}{7}} ; c = \sqrt{\frac{7}{3}+\sqrt{\frac{4}{7}}} ; d = \sqrt{\frac{7}{3}-\sqrt{\frac{4}{7}}}$$

$$\textcircled{17} \quad a = \frac{\pi}{4}+\frac{e}{3} ; b = \frac{\pi}{4}-\frac{e}{3} ; c = \frac{\pi}{3}-\frac{e}{5} ; d = \frac{\pi}{3}+\frac{e}{4}$$

$$\textcircled{18} \quad a = \sqrt[3]{2+\sqrt{7}} ; b = \sqrt[3]{-2+\sqrt{7}} ; c = \sqrt[3]{2-\sqrt{7}} ; d = \sqrt{2}-\sqrt[3]{7}$$

## Soluciones

- ①  A horizontal number line with points marked at -1, a, d, 0, c, b, and 1.
- ②  A horizontal number line with points marked at 1, a, b, c, d, and 2.
- ③  A horizontal number line with points marked at 2, b, d, 3, c, a, and 4.
- ④  A horizontal number line with points marked at -1, d, c, b, a, and 0.
- ⑤  A horizontal number line with points marked at 9, b, a, 10, d, c, and 11.
- ⑥  A horizontal number line with points marked at -1, b, d, 0, a, c, and 1.
- ⑦  A horizontal number line with points marked at 1, a, b, 2, c, d, and 3.
- ⑧  A horizontal number line with points marked at -2, d, a, -1, b, c, and 0.
- ⑨  A horizontal number line with points marked at -3, c, -2, a, d-1, b, and 0.
- ⑩  A horizontal number line with points marked at -1, c, 0, b, 1, a, d, and 2.
- ⑪  A horizontal number line with points marked at -1, b, 0, d, a, 1, c, and 2.
- ⑫  A horizontal number line with points marked at -1, c, d, 0, b, 1, a, and 2.
- ⑬  A horizontal number line with points marked at -2, b, d, -1, 0, 1, a, c, and 2.
- ⑭  A horizontal number line with points marked at -2, d, -1, b, 0, c, a, and 1.
- ⑮  A horizontal number line with points marked at -2, d, -1, c, 0, b, 1, a, and 2.
- ⑯  A horizontal number line with points marked at 0, d, 1, b, a, 2, c, and 3.
- ⑰  A horizontal number line with points marked at -1, b, 0, c, 1, a, d, and 2.
- ⑱  A horizontal number line with points marked at -2, c, -1, d, 0, b, 1, a, and 2.