

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

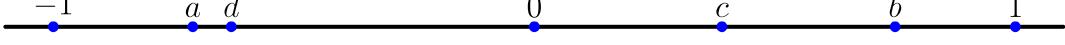
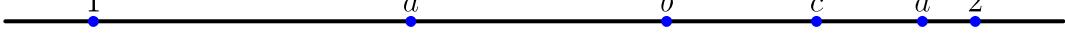
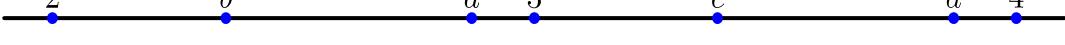
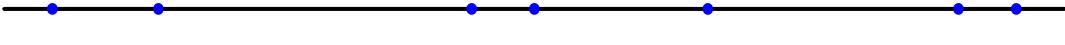
$$\textcircled{15} \quad a = \frac{\sqrt{\sqrt{7}+\sqrt{20}}}{2}; b = \frac{\sqrt{-\sqrt{7}+\sqrt{20}}}{2}; c = \frac{1-\sqrt{20}}{5}; d = \frac{1-\sqrt{30}}{3}$$

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

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

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

Soluciones

- ①  A horizontal number line with tick marks at -1, 0, 1. There are two unlabeled points between 0 and 1. The first unlabeled point is labeled a , and the second is labeled d .
- ②  A horizontal number line with tick marks at 1, 2. There are four unlabeled points between 1 and 2. They are labeled a , b , c , and d from left to right.
- ③  A horizontal number line with tick marks at 2, 3, 4. There are five unlabeled points between 2 and 4. They are labeled b , d , 3, c , and a from left to right.
- ④  A horizontal number line with tick marks at -1, 0. There are four unlabeled points between -1 and 0. They are labeled d , c , b , and a from left to right.
- ⑤  A horizontal number line with tick marks at 9, 10, 11. There are four unlabeled points between 9 and 11. They are labeled b , a , 10, d , and c from left to right.
- ⑥  A horizontal number line with tick marks at -1, 0, 1. There are four unlabeled points between 0 and 1. They are labeled b , d , a , and c from left to right.
- ⑦  A horizontal number line with tick marks at 1, 2, 3. There are three unlabeled points between 1 and 3. They are labeled a , b , c , and d from left to right.
- ⑧  A horizontal number line with tick marks at -2, 0. There are four unlabeled points between -2 and 0. They are labeled d , a , -1, and b from left to right. There is also an unlabeled point c between b and 0 .
- ⑨  A horizontal number line with tick marks at -3, 0. There are six unlabeled points between -3 and 0. They are labeled c , -2, a , d , -1, and b from left to right.
- ⑩  A horizontal number line with tick marks at -1, 0, 1, 2. There are six unlabeled points between -1 and 2. They are labeled c , 0, b , 1, a , and d from left to right.
- ⑪  A horizontal number line with tick marks at -1, 0, 1, 2. There are six unlabeled points between -1 and 2. They are labeled b , 0, d , a , 1, and c from left to right.
- ⑫  A horizontal number line with tick marks at -1, 0, 1, 2. There are six unlabeled points between -1 and 2. They are labeled c , d , 0, b , 1, and a from left to right.
- ⑬  A horizontal number line with tick marks at -2, 0, 1, 2. There are seven unlabeled points between -2 and 2. They are labeled b , d , -1, 0, 1, a , and c from left to right.
- ⑭  A horizontal number line with tick marks at -2, 0, 1. There are seven unlabeled points between -2 and 1. They are labeled d , -1, b , 0, 1, c , and a from left to right.
- ⑮  A horizontal number line with tick marks at -2, 0, 1, 2. There are seven unlabeled points between -2 and 2. They are labeled d , -1, c , 0, b , 1, and a from left to right.
- ⑯  A horizontal number line with tick marks at 0, 1, 2, 3. There are six unlabeled points between 0 and 3. They are labeled d , 1, b , a , 2, and c from left to right.
- ⑰  A horizontal number line with tick marks at -1, 0, 1, 2. There are six unlabeled points between -1 and 2. They are labeled b , 0, c , 1, a , and d from left to right.
- ⑱  A horizontal number line with tick marks at -2, 0, 1, 2. There are seven unlabeled points between -2 and 2. They are labeled c , -1, d , 0, b , 1, and a from left to right.