

Ejercicios - Teorema de la división

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April 18, 2023

Ejercicios

Para cada uno de los siguientes a y n , encontrar el cociente y el resto de dividir a sobre n , y escribir $a = qn + r$.

1. $a = 59, n = 7$

$$8 < \frac{59}{7} < 9$$

$$59 = 8 * 7 + r$$

$$r = 59 - 56 = 3$$

$$59 = 8 * 7 + 3$$

2. $a = 84, n = 12$

$$\frac{84}{12} = 7$$

$$84 = 12 * 7 + r$$

$$r = 84 - 84 = 0$$

$$84 = 12 * 7$$

3. $a = 100, n = 9$

$$11 < \frac{100}{9} < 12$$

$$100 = 11 * 9 + r$$

$$r = 100 - 99 = 1$$

$$100 = 11 * 9 + 1$$

$$4. \ a = -96, \ n = 12$$

$$\frac{-96}{12} = -8$$

$$-96 = -8 * 12 + r$$

$$r = -96 + 96 = 0$$

$$-96 = -8 * 12$$

$$5. \ a = -4, \ n = 5$$

$$-1 < \frac{-4}{5} < 0$$

$$-4 = -1 * 5 + r$$

$$r = -4 + 5 = 1$$

$$-4 = -1 * 5 + 1$$