

# Solutions : Division euclidiennes, nombres premiers

10 septembre 2021

## Exercice 1.

- |                     |                      |
|---------------------|----------------------|
| 1. $Q = 84, R = 5$  | $Q = 93, R = 1$      |
| 2. $Q = 225, R = 1$ | 5. $Q = 2189, R = 0$ |
| 3. $Q = 106, R = 8$ | 7. $Q = 216, R = 17$ |
| 4. $Q = 228, R = 9$ | 8. $Q = 51, R = 7$   |

## Exercice 2.

- |                         |                      |
|-------------------------|----------------------|
| 1. $Q = 1979, R = 15$   | $Q = 1135, R = 2377$ |
| 2. $Q = 1010, R = 1252$ | 4. $Q = 3741, R = 0$ |

## Exercice 3. 1. VRAI

2. FAUX
3. VRAI
4. VRAI
5. FAUX
6. FAUX

## Exercice 4. 1. 1440, 86400

2. 7 heures
3. Non, 6 heures + 12 minutes

## Exercice 5. 1. 1, 2, 4, 5, 7, 10, 14, 20, 28, 35, 70, 140

2. 1, 2, 3, 6, 7, 14, 21, 42
3. 1, 2, 7, 14