

# Solutions : Division euclidiennes, nombres premiers

10 septembre 2021

## **Exercise 1.**

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|---------------------|----------------------|
| 1. $Q = 84, R = 5$  | 5. $Q = 93, R = 1$   |
| 2. $Q = 225, R = 1$ | 6. $Q = 2189, R = 0$ |
| 3. $Q = 106, R = 8$ | 7. $Q = 216, R = 17$ |
| 4. $Q = 228, R = 9$ | 8. $Q = 51, R = 7$   |

## **Exercise 2.**

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|-------------------------|-------------------------|
| 1. $Q = 1979, R = 15$   | 3. $Q = 1135, R = 2377$ |
| 2. $Q = 1010, R = 1252$ | 4. $Q = 3741, R = 0$    |

## **Exercise 3.**

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

## **Exercise 4.**

1. 1440, 86400
2. 7 heures
3. Non, 6 heures + 12 minutes

## **Exercise 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