Leonardo Fibonacci,

découvreur du nombre d’or

### https://www.radiofrance.fr/franceinter/podcasts/la-saga-des-maths/la-saga-des-maths-7170571

### Qui est Leonardo Fibonacci ?

✗ Un mathématicien italien

✗ Un roi français

✗ Un peintre italien

✗ Un scientifique américain

### Quelle ville a vu naître Leonardo Fibonacci ?

✗ Rome

✗ Pise

✗ Venise

✗ Florence

### Quel était le métier du père de Leonardo Fibonacci ?

✗ Professeur

✗ Administrateur des douanes

✗ Marchand

✗ Artisan

### Quelle était la principale fonction des abaques ?

✗ Faciliter les calculs

✗ Servir de jeux d'enfants

✗ Écrire des lettres

✗ Décorer les bureaux

### Quel type de calculs les marchands utilisaient-ils avant l'arrivée des chiffres arabes ?

✗ Chiffres arabes

✗ Chiffres grecs

✗ Chiffres romains

✗ Chiffres chinois

### Quel est le nom du livre écrit par Fibonacci ?

✗ Liber Abaci

✗ Liber Geometrica

✗ Liber Algebra

✗ Liber Mathematica

### Quel problème mathématique célèbre a été posé par Fibonacci dans son livre ?

✗ La somme des angles d'un triangle

✗ La croissance d'une population de lapins

✗ La multiplication de grands nombres

✗ La résolution d'équations quadratiques

### Quel concept mathématique a été introduit par Brahmagupta ?

✗ La racine carrée

✗ La fraction

✗ Le logarithme

✗ Le zéro

### Quels sont les 5 premiers termes de la suite de Fibonacci ?

✗ 0 – 1 – 2 – 3 - 4

✗ 0 – 1 – 2 – 4 - 8

✗ 0 – 1 – 1 – 2 - 3

✗ 1 – 2 – 4 – 8 - 16

### Quel est le rapport entre la suite de Fibonacci et le nombre d'or ?

✗ Chaque nombre divisé par le précédent donne environ 1,6

✗ Chaque nombre est additionné de trois

✗ Chaque nombre est multiplié par deux

✗ Chaque nombre est soustrait de un

Répondre aux questions suivantes :



## **Qui est Leonardo Fibonacci ?**

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### **Où vit le père de Leonardo Fibonacci pendant son enfance ? Quelle est la particularité de ce lieu ?**

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### **Quel est le rôle du père de Leonardo Fibonacci ?**

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### **Qu’est-ce qu’un abaque ?**

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### **Quel concept mathématique a été introduit par l’indien Brahmagupta ? Quelle définition en donne-t-il ?**

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### **D'où viennent les chiffres arabes ?**

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### **Quelle est la particularité des chiffres arabes par rapport aux chiffres romains ?**

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### **Où se déplace Leonardo Fibonacci quand il grandit ? Que cherche-t-il ?**

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### **Qu'est-ce que le Liber Abaci ?**

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### **Quel événement mathématique a eu lieu à Pise, par l'empereur Frédéric II ?**

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### **Quel problème mathématique célèbre a été posé par Fibonacci dans son livre ?**

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### **Comment se nomme la suite découverte par Fibonacci ?**

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### **Quelle est la relation entre la suite de Fibonacci et le nombre d'or ?**

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### **Qu’est-ce qu’un nombre univers ?**

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