

Mathematics is the queen of Science



Aired on 15 Apr 2015, on PBS network's NOVA program series



1 what is the mathematical sequence found in flower petals ?

2 what does the number π represent ?

3 Complete this sequence of numbers : 1 1 2 3 5 8 _ _ _

4 The number π is limited to 3 decimal places.

TRUE

FALSE

5 Name the 5 platonic solids.

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6 The falling speed of objects is proportional to their weight.

TRUE

FALSE

7 who is right Aristotle or Galileo ?

8 who discovered this equation " $F_g = G \cdot (m_1 \cdot m_2) / d^2$ " ?

9 who discovered electromagnetic waves ?

10 what is the atom made of ?

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YES

NO

ANSWERS

- 1 The fibonacci sequence (4:16)
- 2 1 1 2 3 5 8 13 21 34 (4:18)
- 3 It expresses the ratio of the circumference of a circle to its diameter. (6:41)
- 4 False (6:48)
- 5
 - Cube
 - Tetrahedron
 - Octahedron
 - Dodecahedron
 - Icosahedron (17:54)
- 6 False (27:24)
- 7 Galileo (28:56)
- 8 Newton (36:31)
- 9 James Maxwell (39:28)
- 10 Electron + proton + neutron (44:10)

