

# Maths

**1. What is the formula  $2\pi R$  for? ( $\pi$  is the symbol for 'pi')**

---

**2. What is missing out of the trio; Sine, Cosine and...?**

---

**3. If it takes 3 men 2 hours to dig a hole, how long will it theoretically take one man?**

---

**4. Whose theorem states that 'a square on the hypotenuse is equal to the sum of the squares on the other two sides'?**

---

**5. What is two cubed?**

---

**6. If a bag of 30 sweets weighs 20g, how many sweets would weigh 1kg?**

---

**7. What is the next number in the series; 1, 4, 9, 16, ...?**

---

**8. How many faces does a cube have?**

---

**9. The Roman numeral XXIV is how many?**

---

**10. How many faces does a dodecahedron have?**

---