

Zero loves digging holes and he loves his mental maths.

Whether it's the **number of spots on a lizard**, the **depth of a hole** in feet, the **number of years** that there's been no rain at the lake or the **amount of money** Sweet Feet Livingston's stinky sneakers were auctioned for - there are lots of numbers in the book Holes.



Try his Maths Quiz!

1. If the holes are **5 feet in diameter** and **5 feet deep** and **round**, what volume (in cubic feet) of dirt is in a hole?
2. A shovel will carry **2.5kg** weight of dirt, if dirt weighs **35kg per cubic foot**, what weight of dirt is in a single hole?
3. Stanley digs the dirt at an average rate of **three shovel-loads per minute**, but X-ray can manage **four shovel-loads per minute**. If they both start digging at **6:30am**, and both have a single 30 minute break) how much earlier does X-ray finish than Stanley?
4. The formula for the volume of a cone is: $V = \pi r^2 h/3$
If the dirt pile that Stanley shovels out of the hole forms a perfect cone, with a radius of **3 feet**, how tall is his pile?
5. There are exactly **7** yellow spots on a lizard, if there are **161** spots in a lizard nest, how many lizards are there?
6. When Sweet Feet Lingstone's shoes were auctioned, they were expected to sell for **\$6,039**. This was **110 times** their usual retail price. If Sweet Feet gets a **20% discount** from the full price, how much did he originally pay for the sneakers?
7. Armpit spends **11/30** of each whole day digging, how long does he dig for?
8. How many holes has X-Ray dug if he arrived on the evening on **4th March** and it is now the evening of **25th July**? He gets one day off for his birthday on 8th July.