

Answer these questions using mental strategies.

1. I have a number and I add 3.  
Then I square it.  
My answer is 100.  
What number did I start with?
2. What number must I add to 7.3 in order to make 9.2?
3. Start with 10.  
Double it.  
Double it again.  
Now square it.  
What is the answer?
4. Double 2 000 000.  
Then find 10%.  
What is the answer?
5. What is 25% of 10 000 000?

- 6.** On Monday, John ran 7.2 km.  
On Tuesday, he ran a third of that distance.  
How far did he run on Tuesday?
- 7.** Start with 2500.  
Double it.  
Now find 20%.  
What is the answer?
- 8.** I start with 15 and double it.  
Then I multiply it by 8.  
What is the answer?
- 9.** What is  $4002 - 1998$ ?
- 10.** Add together 34 and 26.  
Now multiply that by 7.  
What is the answer?