10 Quick 'Thinking questions'

Tip! Make a list of square, cube and prime numbers...

(1) Find two prime numbers that sum to give a square number.

(2) Find a square number that is also a cube number.

(3) State how many of the factors of 36 are square numbers.

(4) Find two square numbers that have a difference of more than 6 but less than 10.

(5) Find the number that is prime **and** a factor of 9.

(6) Find **a** number whos square root is a single digit number greater than 6

(7) Find a multiple of 3 that has exactly 6 factors.

(8) Write down the number of double digit cube numbers.

(9) Find 3 prime numbers that sum to give a multiple of 6.

(10) Find a square number and a cube number that sum to give a prime number.