

- 1 (a) (i) 1, 2 and 36 are factors of 36.

Write down all the other factors of 36.

36	
1	36
2	18
3	12
4	9
6	6

Answer(a)(i) 3, 4, 6, 9, 12, 18 [2]

- (ii) 1 and 2 are common factors of 36 and 90.

Write down two more common factors of 36 and 90.

36		90	
1	36	1	90
2	18	2	45
3	12	3	30
4	9	5	18
6	6	6	15
		9	10

Answer(a)(ii) 3, 6 [2]

- (b) Write down all the square numbers between 20 and 50.

$$5^2 = 25$$

$$6^2 = 36$$

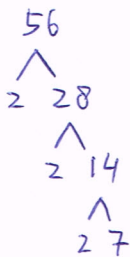
$$7^2 = 49$$

Answer(b) 25, 36, 49 [3]

- (c) p and q are prime numbers.

$$p^3 \times q = 56$$

Find p and q .



$$56 = 2^3 \times 7$$

$$p = 2$$

$$q = 7$$

Answer(c) $p =$ 2
 $q =$ 7 [2]