EXERCISE 6.3

| | | at could be ibers? | the possible | e 'one's' dig | gits of the sq | uare root o | f each of the | following |
|----------|---|---|--|--|--------------------------------------|---------------------------------------|-----------------------------|-------------------------------------|
| | (i) | 9801 | (ii) 9 | 9856 | (iii) 9 | 98001 | (iv) 6 | 57666025 |
| 2. | Without doing any calculation, find the numbers which are surely not perfect squares. | | | | | | | |
| | (i) | 153 | (ii) | 257 | (iii) | 408 | (iv) | 441 |
| 3. | Fine | the squar | e roots of 1 | 00 and 169 | by the meth | hod of repe | ated subtra | ction. |
| 1. | Find the square roots of the following numbers by the Prime Factorisation Method. | | | | | | | |
| | (i) | 729 | (ii) | 400 | (iii) | 1764 | (iv) | 4096 |
| | (v) | 7744 | (vi) | 9604 | (vii) | 5929 | (viii) | 9216 |
| | 0 1 | 500 | | 0100 | | | | |
| | | 529 | (x) | 8100 | | | | |
| 5. | For o | each of the nultiplied s | following n | umbers, find perfect sq | | | mber by whi d the square | |
| 5. | For be n | each of the nultiplied s | following no so as to get a | umbers, find perfect sq | | | | |
| 5. | For obe no square (i) | each of the nultiplied s are number | following no so as to get a r so obtained (ii) | umbers, find a perfect sq d. | uare numbe | er. Also fine | d the square | root of the |
| 5. 5. | For (i) (v) For (be d | each of the nultiplied s are number 252 1458 each of the | following no so as to get a r so obtained (ii) (vi) following no as to get a | umbers, find a perfect sq d. 180 768 umbers, find | uare numbe (iii) I the smalles | er. Also find 1008 st whole nur | d the square | root of the 2028 ch it should |
| | For (i) (v) For (be d | each of the nultiplied s are number 252 1458 each of the livided so | following no so as to get a r so obtained (ii) (vi) following no as to get a | umbers, find a perfect sq d. 180 768 umbers, find | uare numbe (iii) I the smalles | er. Also find 1008 st whole nur | (iv) | root of the 2028 ch it should |