

Evaluation Questions

Ex 8(A)

2) Write all prime :

i) less than 25

Ans 2, 3, 5, 7, 11, 13, 17, 19, 23

ii) between 15 and 35

Ans 17, 19, 23, 29, 31

iii) between 8 and 76

Ans 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73

③ Write the prime numbers from:

i) 5 to 45

A) 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43

ii) 2 to 32

A) 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31

iii) 8 to 48

A) 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47

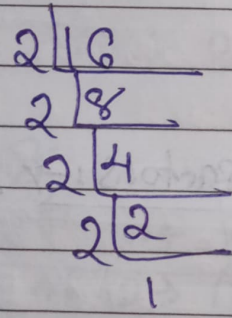
iv) 9 to 59

A) 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59

④ Write the prime factors of:

i) 16

A)

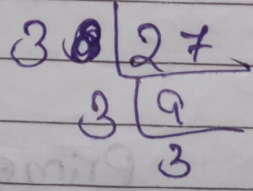
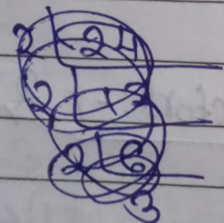


~~16 = 2 x 2 x 2 x 2 =~~

Prime factors of 16 is 2.

ii) 27

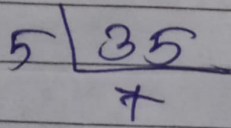
A)



The prime factor of 27 is 3.

iii) 35

A)



Prime factors of 35 is 5 and 7.

iv) 49
Ans $7 \overline{)49}$
7
Prime factor of 49 is 7.

5) If P_n means Prime factors of 'n', find:

i) P_6
Ans P_6 means Prime factors of 6.

$3 \overline{)6}$
2
Prime factors of 6 are 3 and 2.

ii) P_{24}
Ans $2 \overline{)24}$
2 $\overline{)12}$
2 $\overline{)6}$
3
Prime factors \rightarrow 2 and 3

iii) P_{50}
Ans $2 \overline{)50}$
5 $\overline{)25}$
5
Prime factors \rightarrow 2, 5

iv) P_{42}
Ans $2 \overline{)42}$
3 $\overline{)21}$
7 $\overline{)7}$
1
Prime factors \rightarrow 2, 3, 7