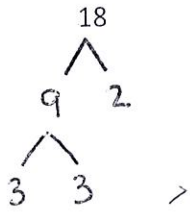
Use a tree diagram to find the prime factors of each number.

18



$3 \times 3 \times 2$

28

$2 \times 2 \times 7$

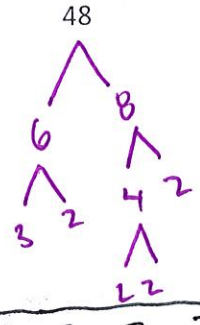
34

17×2

40

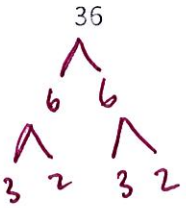
$2 \times 2 \times 2 \times 5$

48



$2 \times 2 \times 2 \times 2 \times 3$

36

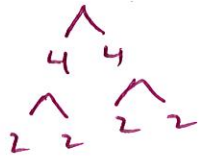


$2 \times 2 \times 3 \times 3$

4

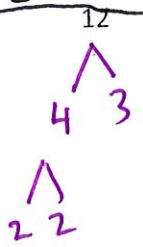
2×2

16



$2 \times 2 \times 2 \times 2$

12



$2 \times 2 \times 3$

15

3×5

27

$3 \times 3 \times 3$

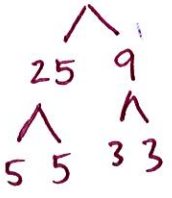
30

$2 \times 3 \times 5$

20

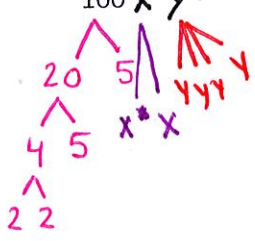
$2 \times 2 \times 5$

225



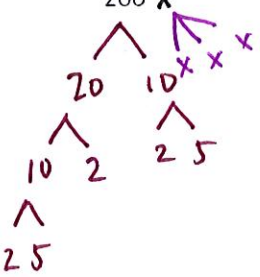
$3 \times 3 \times 5 \times 5$

100 x^2y^4



$2 \cdot 2 \cdot 5 \cdot 5 \cdot x \cdot x \cdot y \cdot y \cdot y \cdot y$

200 x^3



$2 \cdot 2 \cdot 2 \cdot 5 \cdot 5 \cdot x \cdot x \cdot x$

Perfect squares chart

Number	Number Square
1	1
2	4
3	9
4	16
5	25
6	36
7	49
8	64
9	81
10	100
11	121
12	144
13	169
14	196
15	225

memorize!

Do not use a calculator to fill in the chart above. If necessary, there is space on the right to do work.