

Homework - Types of number ANSWERS

1. Write down the first 5 multiples of

(a) 4 **8 12 16 20**

(b) 6 **12 18 24 30**

2. (a) Circle all **FACTORS** of 12 :

1 **2** **3** **4** 5 **6** 7 8 9 10 11 **12**

2 (b) List all factor pairs of 40. One pair is given already

$$1 \times 40 = 40$$

$$2 \times \mathbf{20} = 40$$

$$4 \times \mathbf{10}$$

$$5 \times \mathbf{8}$$

Write out all factors of 40: **1, 2, 4, 5, 8, 10, 20, 40**

3. Complete the following

$$1 \times 1 = 1^2 = 1$$

$$2 \times 2 = 2^2 = 4$$

$$3 \times 3 = \mathbf{3^2} = \mathbf{9}$$

$$4 \times 4 = \mathbf{4^2} = \mathbf{16}$$

$$5 \times 5 = \mathbf{5^2} = \mathbf{25}$$

What is the 8th square number? **64**

4. How many cubes are needed to build this model?



You need **27** cubes

5. Circle the numbers which are not cube numbers from the list below

1 8 27 **56** 64 125 **150**

6. Colour in all prime numbers in the table below

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

7. Complete the **factor tree** for the following numbers. Remember to circle prime numbers.



