

Numeracy – Place Value

Squares and Triangles

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This week we are going to revise place value. It is important to remember that where a number is placed will tell us the **value**. Can you remember we watched this video?

<https://www.bbc.co.uk/bitesize/clips/z7yb9j6>

Look at the following to remind yourself.

In the number: **7985**
 seven thousand nine hundred and eighty five

the 7 stands for 7 thousand	=	7000
the 9 stands for 9 hundred	=	900
the 8 stands for 8 tens	=	80
the 5 stands for 5 units	=	5
	=	<u>7985</u>

Please always remember the importance of **zero**.

In the number: **3040**
 three thousand and forty

the 3 stands for 3 thousand	=	3000
the 0 stands for 0 hundred	=	000
the 4 stands for 4 tens	=	40
the 0 stands for 0 units	=	0
	=	<u>3040</u>

The following exercises should be completed over the week. Why not complete an exercise per day? Remember to do the problem solving exercise too.

Exercise 1

1. What do the **digits** stand for in the number 3781:-

- a. 3 b. 7 c. 8 d. 1

2. What does the **8** stand for in each of these numbers:-

- a. **8**163 b. 25**8**0 c. 675**8** d. **38**17

3. Write the following numbers using **digits**:-

- a. four hundred and forty four
b. nine hundred and six
c. three thousand one hundred and seven
d. eight thousand four hundred and sixty six
e. nine thousand and fifty

Exercise 2

1. Write down the number that is :-

a. 10 **after** 570 = 580

b. 20 **after** 620 =

c. 100 **after** 710 =

d. 200 **before** 1300 =

e. 300 **before** 2700 =

2. Put the following numbers in order, smallest first:-

You can watch this to remind you.

<https://www.youtube.com/watch?v=YW44rNDOADA>

a. 280, 410, 309, 213, 345, 281, 253, 397

b. 3054, 3085, 2985, 3009, 3100, 2899, 3002

c. 8243, 8432, 8300, 8200, 8400, 8344, 8249

Now can you put the numbers in order from greatest to smallest?

Exercise 3

We can show numbers in their **expanded** form.

$$4322 = 4000 + 300 + 20 + 2$$

Write the following numbers in their expanded form. (the first one has been completed for you.)

a. $5829 = 5000 + 800 + 20 + 9$

b. $4327 =$

c. $6872 =$

d. $9342 =$

e. $3907 =$

Complete the following.

a. $4000 + 200 + 40 + 5 = 4245$

b. $2000 + 100 + 30 + 4 = \underline{\hspace{2cm}}$

c. $1000 + 500 + 50 + 2 = \underline{\hspace{2cm}}$

d. $9000 + 400 + 60 + 7 = \underline{\hspace{2cm}}$

e. $3000 + 700 + 90 + 1 = \underline{\hspace{2cm}}$

Exercise 4

Log into Education City. You will find the games under my classwork. Please email me if you are having trouble logging into Education City.

Games:

Gnarly Numbers – place value with 4 digit numbers.

Captain Cod – partition the 4 digit number.

Game Over – order 4 digit numbers.