

Numeracy – Place Value

Squares and Triangles

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This week we will continue to revise place value. Remember to have a go at the games on **Education City** under **my classwork, rounding**. they will help you with your revision.

A good idea is to complete one task daily, then on the fifth day complete the problem solving task.

Task 1

Ordering 4 digit numbers.

Log into [Education City](#) and click on my classwork. Under 'Rounding' click on 'Orbital Ordering'. This will remind you of how we compare numbers. We always look at the **largest** place value digits first.

After you have completed 'Orbital Ordering', put the following numbers into order from the largest to the smallest.

- a. 1285, 1275, 1235, 1215, 1295, 1265
- b. 2318, 2388, 2358, 2378, 2328, 2398
- c. 5065, 5095, 5085, 5015, 5035, 5075
- d. 3142, 3056, 3276, 3389, 3498, 3917
- e. 3265, 2465, 1665, 4365, 5565, 9565

When you've completed this task, have a go at 'Game Over' on [Education City](#).

Task 2

Rounding to 10

We can round numbers up to make it easier to count. When we are taking part in Number Talks we do this by making 'friendly numbers'.

The following should remind us:

First find your place
Then look to the side
If it's 4 or less, the same digit applies
If it's 5 or more simply add another on
Then complete the zeroes
And your round is all done.

Example:

The number 48

If we were rounding to the nearest 10, we look at the digit to the right side of the 10 column 48, it is 8. The number 8 is 'if it's five or more add another on', so we add a number on to the 10s column and the 4 becomes 5, then complete with zeroes, so the 8 becomes 0
– 50

48 rounded to the nearest 10 becomes 50

Log into [Education City](#) and complete 'Rabbit Rhyme'.

After you have completed this, have a go at rounding the following numbers to the nearest 10.

- 37 rounded to the nearest 10 becomes
- 141 rounded to the nearest 10 becomes
- 534 rounded to the nearest 10 becomes
- 159 rounded to the nearest 10 becomes

e. 405 rounded to the nearest 10 becomes

Complete the game 'All Ears' on [Education City](#).

Task 3

Imagine the following numbers, try to visualise a number line, and decide what each one rounds to (to the nearest 10).

- a. 87 lies between 80 and It is closer to
- b. 133 lies between and 140 It is closer to
- c. 458 lies between 450 and It is closer to
- d. 902 lies between 900 and It is closer to
- e. 843 lies between and 850 It is closer to

Challenge:

Log into [Education City](#) and try 'Pinball Whizz'.

Task 4

Estimate by Rounding

Numbers can be rounded to the nearest 10 when doing calculations to estimate the answers.

Example:

$$256 + 82$$

$$260 + 80$$

$$= 340 \text{ (approximately)}$$

approximately meaning – not completely accurate but almost.

Try the following calculations.

a. $56 + 38$ is about $60 + 40 = \dots$

b. $32 + 41$ is about $30 + 40 = \dots$

c. $24 + 37$ is about $20 + 40 = \dots$

d. $29 + 61$ is about $30 + 60 = \dots$

e. $42 + 51$ is about $\dots + \dots = \dots$

Challenge:

Why not challenge yourself with these numbers, remember you all know your 10x table, it is adding on in 10s.

a. $152 + 43$ is about $150 + 40 = \dots$

b. $189 + 67$ is about $190 + 70 = \dots$

c. $231 + 88$ is about $230 + 90 = \dots$

d. $422 + 131$ is about $420 + 130 = \dots$