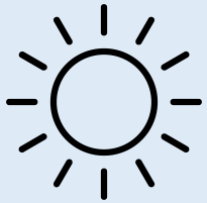
Welcome back to the Summer Term 

Year Five Maths

This PowerPoint will help you with your maths learning this week. This week we are focusing on our **Rounding Skills.** Everyday you will have an two activities on **Diagnostic Questions** (an activity and an arithmetic) as well as an activity on **Maths Shed**. There are also some of our slides from learning in school to help remind you about rounding in this document as well as a Going Deeper activity.

You will also have **Times Table Rockstars** to practice on.

Take care Mathematicians!
Miss Bryce ☺

15.04.2020 XV.IV.MMXX

Today's Learning:

Diagnostic Questions:	Ed Shed:
Recap rounding to the nearest 10, 100 and 1000 + Daily Arithmetic	Multiplying by 10, 100 and 1000 (Whole Numbers)

Going Deeper:
See page 7 for activity

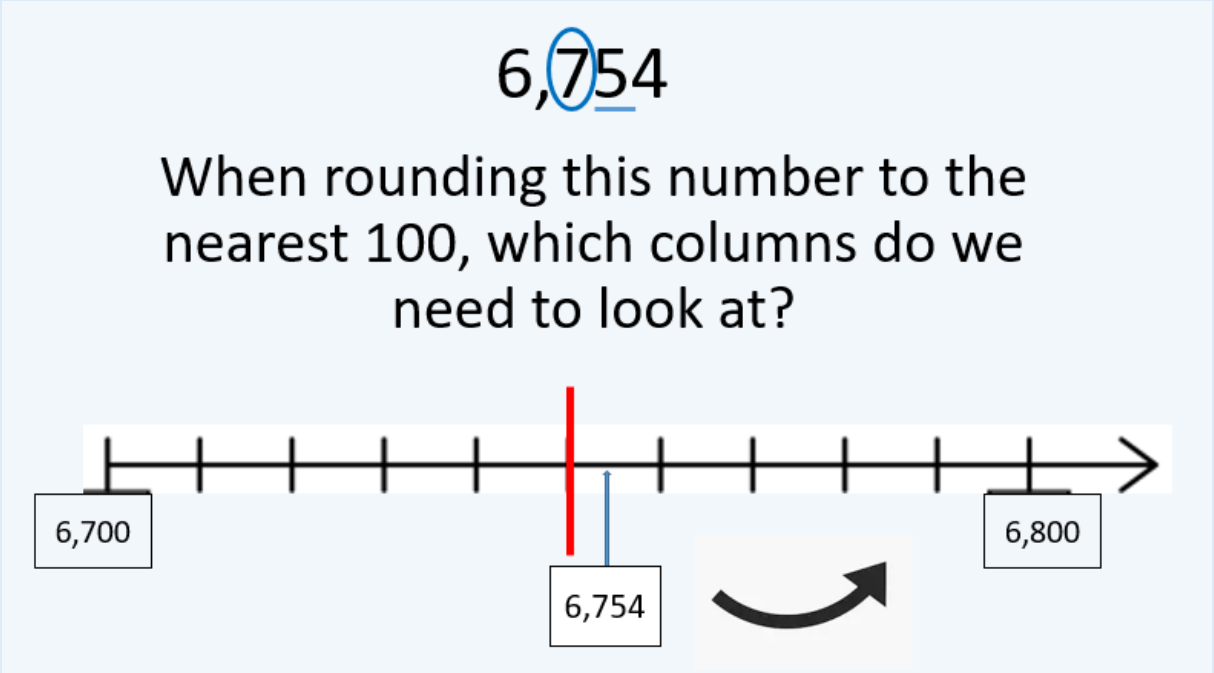
Learning Review – Rounding on a number line

1. Draw your number line in your book

2. Find out what you're rounding to and circle the digit in that column.

3. Decide which two multiples the number lies between and mark these on your number line at either end. Place the number you are rounding on the number line.

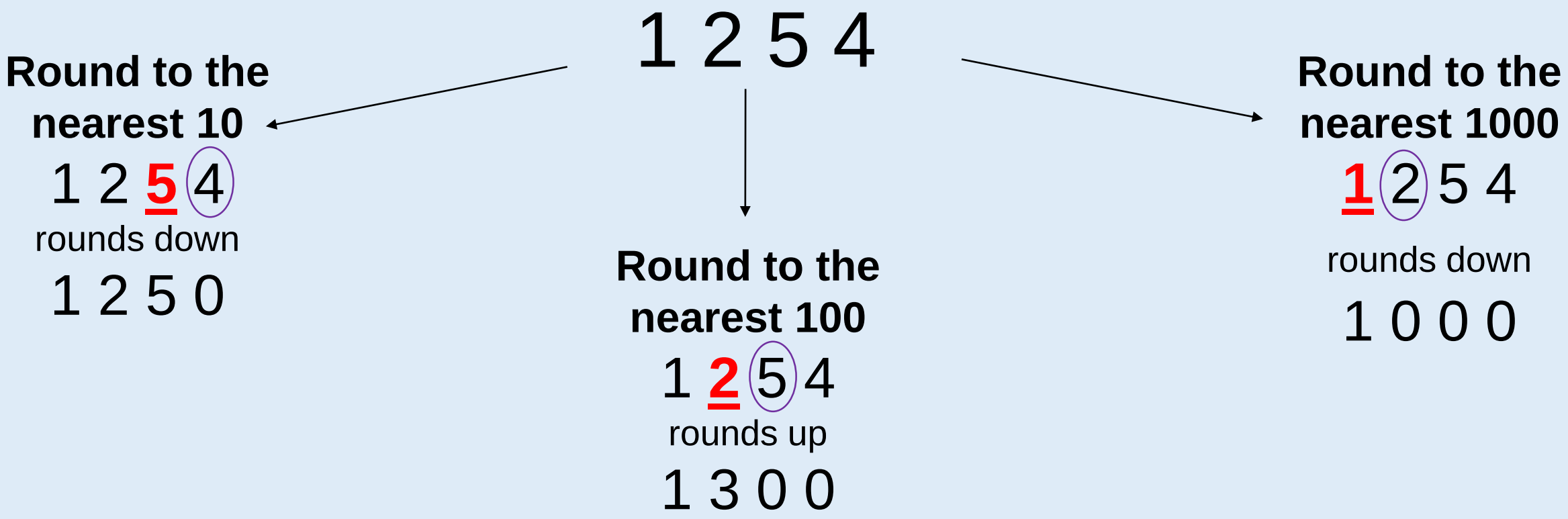
4. Decide which multiple the number is **closest to**



You may wish to use your Home Learning Book to draw number lines as a jotting.

Learning Review – Rounding

We can also round by finding out what we are rounding to and underlining the digit in that column. Then, we can circle the number to the right of the underlined digit and use this to support us in deciding whether the number will round up or down.



Practice

You can use these questions as additional practice of your rounding skills. These can be completed in your Home Learning Books.

	Nearest 10	Nearest 100	Nearest 1000
327			
192			
1436			
2413			
6952			

Practice – Answers

You can use these questions as additional practice of your rounding skills. These can be completed in your Home Learning Books.

	Nearest 10	Nearest 100	Nearest 1000
327	330	300	0
192	190	200	0
1436	1440	1400	1000
2413	2410	2400	2000
6952	6950	7000	7000

Going Deeper

Three teachers are playing a computer game. Their scores are shown below.

	Game 1	Game 2	Game 3
Miss Bryce	3861	2256	3414
Miss Clay	4621	2742	2107
Mrs Gray	4851	1357	2552

1. If the score for each game was rounded to the nearest 10, 100, or 1000, would the same person have the highest total for all three games?

2. Mrs Buck joins and comes second in all three games. What could her scores have been in each game rounded to the nearest 100?

16.04.2020 XVI.IV.MMXX

Today's Learning:

Diagnostic Questions:	Ed Shed:
Rounding up to 1,000,000 + Daily Arithmetic	Divide by 10, 100 and 1000 (Whole Numbers)

Going Deeper:
See page 14 for activity

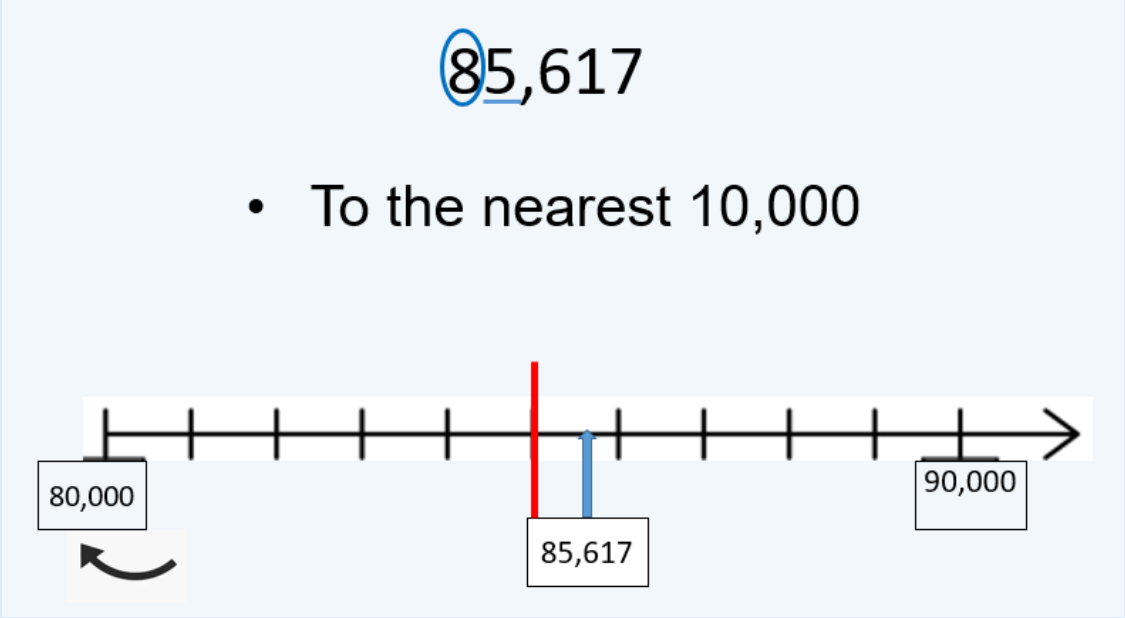
Learning Review – Rounding on a number line

1. Draw your number line in your book

2. Find out what you're rounding to and circle the digit in that column.

3. Decide which two multiples the number lies between and mark these on your number line at either end. Place the number you are rounding on the number line.

4. Decide which multiple the number is **closest to**



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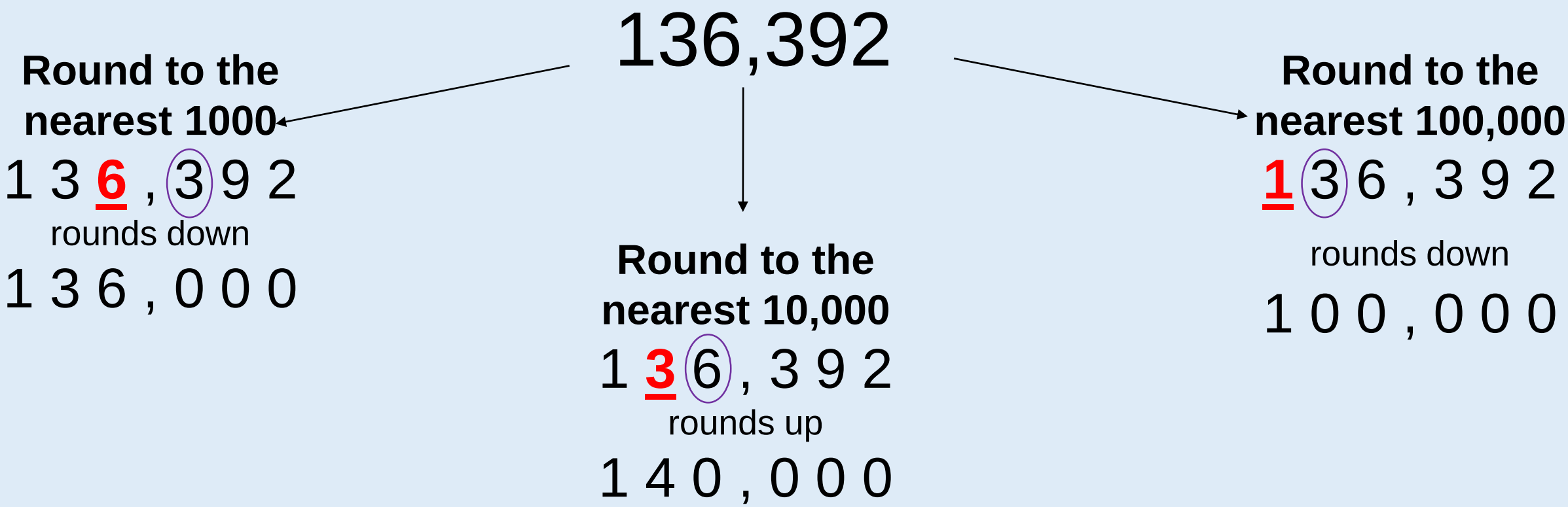
Learning Review – Rounding

We can also round by finding out what we are rounding to and underlining the digit in that column. Then, we can circle the number to the right of the underlined digit and use this to support us in deciding whether the number will round up or down.



Practice

You can use these questions as additional practice of your rounding skills. These can be completed in your Home Learning Books.

	Nearest 1000	Nearest 10,000	Nearest 100,000
847,857			
79,364			
174,391			
241,375			
452,612			

Practice - Answers

You can use these questions as additional practice of your rounding skills. These can be completed in your Home Learning Books.

	Nearest 1000	Nearest 10,000	Nearest 100,000
847,857	848,000	850,000	800,000
79,364	79,000	80,000	100,000
174,391	174,000	170,000	200,000
241,375	241,000	240,000	200,000
452,612	453,000	450,000	500,000

Going Deeper

Bill is playing a game using rounding. The aim of the game is to make three different five digit numbers and place them on the grid to make three in a row. There are rules for each square on the grid. Bill can **only** use the digits **0, 2, 9, 4 and 6** in his number.

Explore the numbers Bill could use.

To the nearest 1000, the rounded number is less than 40,000	When rounded to the nearest 100, the number has exactly three zero's	When rounded to the nearest 1000, there are 2 digits greater than 5
To the nearest 10,000, the number rounds to 80,000	When rounded to the nearest 100, the total of the digits is 13	When rounded to the nearest 1000, the number has all even digits
When rounded to the nearest 1000, the number is between 41,000 and 45,000	When rounded to the nearest 100, the number has 2 thousands	After being rounded to the nearest 10, all digits in the number are less than 7

17.04.2020 XVII.IV.MMXX

Today's Learning:

Diagnostic Questions: Using Rounding to check answer to problems + Daily Arithmetic	**Ed Shed:** Multiplying and Dividing by 10, 100 and 1000 (Whole Numbers)	**Times Table Rockstars** Practice your Times Tables

Going Deeper:
See page 20 for activity

Learning Review – Rounding to estimate answers

approximate - close to the actual, but not completely accurate or exact

There is no one rule for rounding to estimate

It depends on the numbers on how it is best to round – use your noticing skills to think how it would be best to round the numbers

In this example, it would be best to round to the nearest hundred

How could you round the following numbers in the calculation to create an estimate:

6,595 + 311

Remember: depending on the numbers it may be best to round to a different place value column

Practice

You can use these questions as additional practice of your rounding skills. These can be completed in your Home Learning Books.

Use rounding to estimate an answer to the following questions:

a) 12,005 + 7,620

b) 3,395 - 207

c) 169,995 + 50,062

d) 311 + 7,189

e) 48,932 – 14,283

f) 19,543 – 6,902

Practice – Answers

You can use these questions as additional practice of your rounding skills. These can be completed in your Home Learning Books.

Use rounding to estimate an answer to the following questions:

a) 12,005 + 7,620

b) 3,395 - 207

c) 169,995 + 50,062

d) 311 + 7,189

e) 48,932 – 14,283

f) 19,543 – 6,902

a) 12,000 + 7,600 = 19,600

b) 3,400 – 200 = 3,200

c) 170,000 + 50,000 = 220,000

d) 300 + 7,100 = 7,400

e) 49,000 – 14,000 = 35,000

f) 20,000 – 7,000 = 13,000

Your estimations may be slightly different to mine – this is fine! However, you must ensure you have rounded the numbers efficiently to help you find an estimated answer.

Going Deeper

An aeroplane makes a journey from Heathrow to Istanbul each day, via Brussels and Sweden. The aeroplane's fuel tank has a capacity of 26,020L and it burns 2,839L of fuel each hour in flight.

Flight Plan			Direct Return Journey
Heathrow to Brussels	Brussels to Sweden	Sweden to Istanbul	
1 hour	2.5 hours	3.5 hours	5 hours

Possible refuelling stops	Journey time from Istanbul
Bucharest	1 hour
Budapest	2 hours
Sofia	1.5 hours
Riga	2.5 hours
Paris	3.5 hours

Look at the flight plan and use your knowledge of approximation to explore whether the aeroplane has enough fuel to reach Istanbul and then make a direct, return journey to Heathrow, or whether it needs to stop and refuel on the way back? If so, which cities can it reach to refuel?

Websites

School website:
http://www.hydeparkjuniorschool.co.uk/website

Diagnostic Questions:
https://diagnosticquestions.com/

Maths Shed
https://play.edshed.com/

Times Table Rockstars:
https://ttrockstars.com/