

Please remember that the children are expected to complete one activity each day, **in number order**. Work to be recorded in homework books.

Day 1- partitioning numbers

We should all be comfortable with partitioning of numbers but lets have a recap for those that might be confused.

Partitioning is a useful way of breaking numbers up so they are easier to work with.

The number 746 can be broken down into hundreds, tens and ones. 7 hundreds, 4 tens and 6 ones. However you break the number down, it will make maths easier!

Need some help try this
<https://www.bbc.co.uk/bitesize/topics/z69k7ty/articles/zyk8pbk>

Task: Complete the task **complex partitioning** in your books carefully.

Challenge: Imagine you are the teacher now and create a display poster for other children who may find this area of maths hard. Use helpful tips and colourful diagrams to help get your point across.

Day 2- rounding numbers

Now we are onto rounding. So rounding is nice and easy we just have to remember the steps. If you need a reminder try this
<https://www.bbc.co.uk/bitesize/topics/zh8dmp3/articles/zpx2qty>.

So when you round a number a really help rhyme is - "If it's five or above give it a shove. If it's four or below leave it alone." We can apply this to rounding many different types of numbers. For example we look a 728 and we are asked to round it to the nearest ten we look at the column to the right (the ones column) if the number is four are below we leave it alone and replace it and any number after it (to the right) with zeros. If its five or more with increase the number to the right (the tens) by one, we give it a shove. So in this example it would be **728** to the nearest ten would be **730**.

Task: Complete the task **rounding to the nearest 10, 100 and 1000** ans solve the crime.

Challenge: create five, four digit numbers and round each one to the nearest 10, 100 and 1000.

Day 3- partitioning decimal numbers

Partitioning decimals numbers is similar to partitioning normal, non-decimal, numbers but with a few difference. Watch this to help you <https://www.youtube.com/watch?v=0p9phq3LYNO>

See its not so hard! Just follow each step carefully.

Task: complete the task **identifying place value** sort and identify the numbers and the correct place value statements..

Challenge: Think of all the ways that you see decimals number in the world around you. Make a list of the all the ways you can think of and give me at least three examples of the decimals number for each.

Day 4- rounding decimal numbers

Now we look at rounding the decimal numbers that we looked at yesterday. So its easy really once we know how to round we simple apply the same rule to these numbers. If you need some help have a look at this : https://www.youtube.com/watch?v=xJIBA2L_ihE.

Task: complete the task **rounding decimals numbers**, for each task please look carefully at what you are doing and make sure that step are followed carefully.

Challenge: Look at the decimal numbers you had in yesterdays challenge. Take some of these numbers and round them just like you did in the task above. Write some helpful tips to help you remember how to do this.

Day 1- partitioning numbers

Task: Complex partitioning

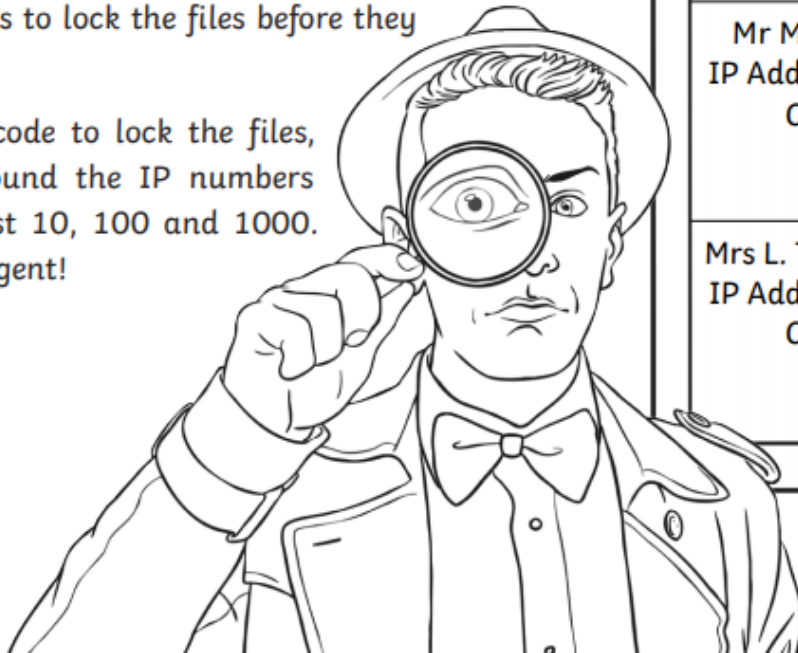
Partition each of the below numbers three ways.

Day 2-rounding numbers

Task: Rounding to the nearest 10, 100 and 1000

There has been a breach in Internet security and we need you to help protect the data before it is stolen! The IP numbers attached to this document have fallen into the hands of despicable criminals. Soon, they will have worked out the patterns to unlock the codes and steal important and secretive information. Can you help us find the codes to lock the files before they access them?

To find the code to lock the files, you must round the IP numbers to the nearest 10, 100 and 1000. Good luck, Agent!



E.g. Mr J. Cheng IP Address: 8294 Code: 8290, 8300, 8000	Mrs P. Patel IP Address: 9873 Code:	Miss L. Smith IP Address: 5863 Code:	Mr M. Yung IP Address: 7862 Code:
Mr M. Stubbs IP Address: 5435 Code:	Ms M. Fritz IP Address: 1937 Code:	Mr H. Hansson IP Address: 8833 Code:	Ms B. Eden-Green IP Address: 4826 Code:
Mrs L. Tunnicliffe IP Address: 7364 Code:	Mr R. Petrov IP Address: 4346 Code:	Mrs A. Diarra IP Address: 9737 Code:	Miss P. Adebayo IP Address: 6832 Code:

Day 3- Partitioning decimal numbers

Task: Identifying place value

Find all the numbers above that have the following:

5 in the tenths place	
2 in the hundredths place	
1 in the thousandths place	
8 in the tenths place	
4 in the hundredths place	
9 in the thousandths place	
7 in the tenths place and 3 in the hundredth place	
3 in the hundredths place and 2 in the thousandths place	
2 in the tenths place and 9 in the thousandths place	

Recognising the value of digits in numbers up to 3 decimal places.

0.28	0.6	0.62	0.772	0.989	0.095	0.139	0.774
0.453	0.223	0.919	0.397	0.343	0.005	0.107	0.216
0.54	0.694	0.716	0.27	0.564	0.539	0.805	0.229
0.635	0.61	0.316	0.169	0.416	0.614	0.873	0.655
0.82	0.822	0.786	0.601	0.916	0.428	0.189	0.874
0.449	0.746	0.636	0.772	0.663	0.666	0.525	0.991
0.65	0.485	0.015	0.969	0.083	0.063	0.558	0.005
0.639	0.053	0.169	0.766	0.148	0.5	0.74	0.129
0.288	0.818	0.859	0.792	0.299	0.852	0.213	0.984
0.915	0.378	0.303	0.167	0.364	0.552	0.557	0.838
0.775	0.223	0.205	0.572	0.376	0.736	0.01	0.503
0.047	0.732	0.592	0.907	0.643	0.987	0.423	0.048

Task: Rounding decimals numbers

Round the following decimal numbers to the nearest whole number.

0.75	<input type="text"/>	0.96	<input type="text"/>	0.74	<input type="text"/>
0.34	<input type="text"/>	0.66	<input type="text"/>	0.09	<input type="text"/>
0.25	<input type="text"/>	0.29	<input type="text"/>	0.66	<input type="text"/>
0.23	<input type="text"/>	0.85	<input type="text"/>	0.82	<input type="text"/>
0.46	<input type="text"/>	0.61	<input type="text"/>	0.52	<input type="text"/>
0.77	<input type="text"/>	0.17	<input type="text"/>	0.41	<input type="text"/>
0.27	<input type="text"/>	0.35	<input type="text"/>	0.74	<input type="text"/>
0.88	<input type="text"/>	0.07	<input type="text"/>	0.77	<input type="text"/>

Round the following decimal numbers to the one decimal place.

0.58	<input type="text"/>	0.63	<input type="text"/>	0.46	<input type="text"/>
0.36	<input type="text"/>	0.74	<input type="text"/>	0.42	<input type="text"/>
0.88	<input type="text"/>	15	<input type="text"/>	0.79	<input type="text"/>
0.18	<input type="text"/>	0.53	<input type="text"/>	0.64	<input type="text"/>
0.97	<input type="text"/>	0.48	<input type="text"/>	0.95	<input type="text"/>
0.95	<input type="text"/>	0.62	<input type="text"/>	0.05	<input type="text"/>
0.37	<input type="text"/>	0.09	<input type="text"/>	0.22	<input type="text"/>
0.97	<input type="text"/>	0.23	<input type="text"/>	0.35	<input type="text"/>

