Rounding to the nearest 10

Aim: I can use my knowledge of rounding to the nearest ten to solve word problems.

Remember:

- If the units digit is 0, 1, 2, 3 or 4 then the tens digit stays the same.

  152 ➡ 150

- If the units digit is 5, 6, 7, 8 or 9 then the tens digit goes up by 1.

  678 ➡ 680

1. There were 416 passengers on the Boeing 747 flying from Glasgow airport to New York City.

   Round this to the nearest 10

2. Lukas measures the length of his bedroom, it was 372cm.

   Round this to the nearest 10

3. There were 5378 fans at the Scottish League Cup final game.

   Round this to the nearest 10

4. When Brodie was born he weighed 8lb 7oz (this is the same as 3827g) and he measured 57cm in length.

   Round his weight (in grams) to the nearest 10

   Round his length to the nearest 10

5. Callum has 248 stamps in his collection.

   Round this to the nearest 10

Rounding to the nearest 100

Aim: I can use my knowledge of rounding to the nearest hundred to solve word problems.

Remember:

- If the tens digit is 0, 1, 2, 3 or 4 then the hundreds digit stays the same.

$$137 \longrightarrow 100$$

- If the tens digit is 5, 6, 7, 8 or 9 then the hundreds digit goes up by 1.

$$5664 \longrightarrow 5700$$

1. The local newspaper, The Advertiser, sold 7372 copies.

   Round this to the nearest 100

2. 43 678 fans bought tickets for the Six Nations rugby match at Murrayfield Stadium.

   Round this to the nearest 100

3. 4693 blue cars drove over the Erskine Bridge during a recent traffic survey. 7564 red cars were also counted.

   Round the number of blue cars to the nearest 100

   Round the number of red cars to the nearest 100

   Round the number of blue and red cars to the nearest 100

4. 2368 red squirrels were spotted in the Highlands between January and September.

   Round this to the nearest 100

Round these to the nearest 100

2435	3756	9879	3375	2142	1664	678

8976	24 456	5732	68 831	4265	752	398

Rounding to the nearest 10 and 100

Aim: I can use my knowledge of rounding to the nearest ten and hundred to solve word problems.

Round these to the nearest 10 and 100						
2435	3756	9879	3375	2142	1664	678

1. Four friends won £38 856.00 in the lottery and they split it equally between them.

   How much did each friend win?

   Round their individual winnings to the nearest 10

   Round their individual winnings to the nearest 100

   Round their individual winnings to the nearest 1000

2. The table below shows the 2013 traffic survey of the total number of vehicles to pass over the Forth Road Bridge from January to June. Complete the table by rounding to the nearest 10 and nearest 100.

Month	Total	Round to nearest 10	Round to nearest 100
Jan	1 808 012		
Feb	1 873 150		
Mar	2 067 401		
Apr	2 147 666		
May	2 301 024		
Jun	2 229 848		

3. It has been reported that the Ferrari 458 Italia will cost from £149 246.00

   Round this to the nearest 10

   Round this to the nearest 100

   Round this to the nearest 1000

Rounding to the nearest 10 - Answers

Aim: I can use my knowledge of rounding to the nearest ten to solve word problems.

Remember:

- If the units digit is 0, 1, 2, 3 or 4 then the tens digit stays the same.

$$152 \longrightarrow 150$$

- If the units digit is 5, 6, 7, 8 or 9 then the tens digit goes up by 1.

$$678 \longrightarrow 680$$

1. There were 416 passengers on the Boeing 747 flying from Glasgow airport to New York City.

   Round this to the nearest 10   **420**

2. Lukas measures the length of his bedroom, it was 372cm.

   Round this to the nearest 10   **370cm**

3. There were 5378 fans at the Scottish League Cup final game.

   Round this to the nearest 10   **5380**

4. When Brodie was born he weighed 8lb 7oz (this is the same as 3827g) and he measured 57cm in length.

   Round his weight (in grams) to the nearest 10   **3830g**

   Round his length to the nearest 10   **60cm**

5. Callum has 248 stamps in his collection.

   Round this to the nearest 10   **250**

Rounding to the nearest 100 - Answers

Aim: I can use my knowledge of rounding to the nearest hundred to solve word problems.

Remember:

- If the tens digit is 0, 1, 2, 3 or 4 then the hundreds digit stays the same.

    137 ➡️ 100

- If the tens digit is 5, 6, 7, 8 or 9 then the hundreds digit goes up by 1.

    5664 ➡️ 5700

1. The local newspaper, The Advertiser, sold 7372 copies.

    Round this to the nearest 100   **7400**

2. 43 678 fans bought tickets for the Six Nations rugby match at Murrayfield Stadium.

    Round this to the nearest 100   **43 700**

3. 4693 blue cars drove over the Erskine Bridge during a recent traffic survey. 7564 red cars were also counted.

    Round the number of blue cars to the nearest 100   **4700**

    Round the number of red cars to the nearest 100   **7600**

    Round the number of blue and red cars to the nearest 100   **12 300**

4. 2368 red squirrels were spotted in the Highlands between January and September.

    Round this to the nearest 100   **2400**

Round these to the nearest 100

2435	3756	9879	3375	2142	1664	678
2400	**3800**	**9900**	**3400**	**2100**	**1700**	**700**
8976	24 456	5732	68 831	4265	752	398
9000	**24 500**	**5700**	**68 800**	**4300**	**800**	**400**

Rounding to the nearest 10 and 100 - Answers

Aim: I can use my knowledge of rounding to the nearest ten and hundred to solve word problems.

Round these to the nearest 10 and 100						
2435	3756	9879	3375	2142	1664	678
2440	**3760**	**9880**	**3380**	**2140**	**1660**	**680**
2400	**3800**	**9900**	**3400**	**2100**	**1700**	**700**

1. Four friends won £38 856.00 in the lottery and they split it equally between them.

   How much did each friend win? **£9714**

   Round their individual winnings to the nearest 10 **£9710**

   Round their individual winnings to the nearest 100 **£9700**

   Round their individual winnings to the nearest 1000 **£10 000**

2. The table below shows the 2013 traffic survey of the total number of vehicles to pass over the Forth Road Bridge from January to June. Complete the table by rounding to the nearest 10 and nearest 100.

Month	Total	Round to nearest 10	Round to nearest 100
Jan	1 808 012	**1 808 010**	**1 808 000**
Feb	1 873 150	**1 873 150**	**1 873 200**
Mar	2 067 401	**2 067 400**	**2 067 400**
Apr	2 147 666	**2 147 670**	**2 147 700**
May	2 301 024	**2 301 020**	**2 301 000**
Jun	2 229 848	**2 229 850**	**2 229 800**

3. It has been reported that the Ferrari 458 Italia will cost from £149 246.00

   Round this to the nearest 10 **£149 250.00**

   Round this to the nearest 100 **£149 200.00**

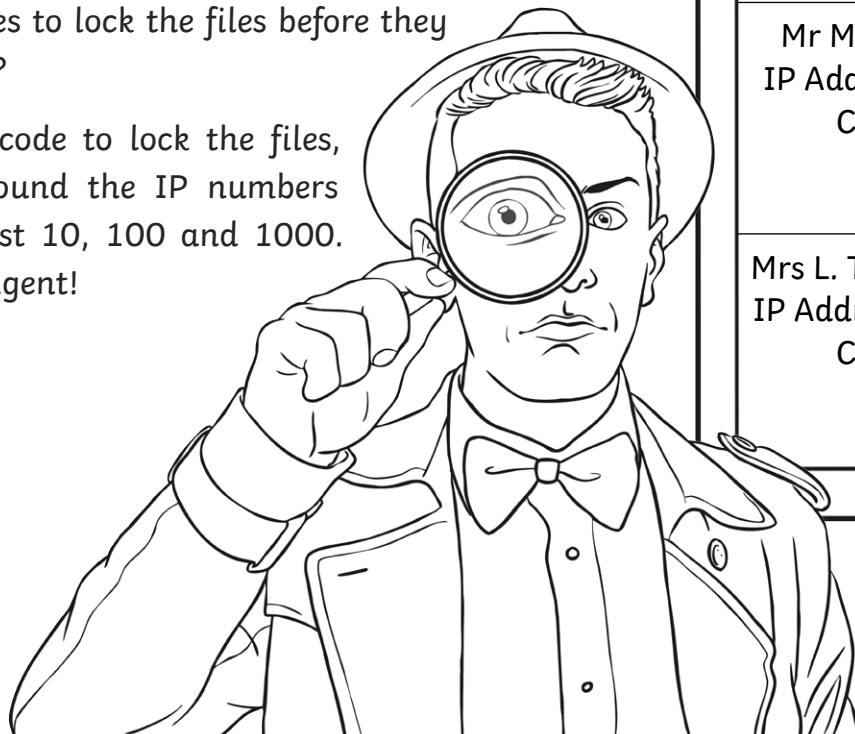   Round this to the nearest 1000 **£149 000.00**

Rounding to the Nearest 10, 100 and 1000

I can round any number to the nearest 10, 100 or 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 sensitive 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: 5735 Code: **5740, 5700, 6000**	Mrs P. Patel IP Address: 827 Code:	Miss L. Smith IP Address: 2816 Code:	Mr M. Yung IP Address: 787 Code:
Mr M. Stubbs IP Address: 528 Code:	Ms M. Fritz IP Address: 2719 Code:	Mr H. Hansson IP Address: 871 Code:	Ms B. Eden-Green IP Address: 1736 Code:
Mrs L. Tunnicliffe IP Address: 8464 Code:	Mr R. Petrov IP Address: 4856 Code:	Mrs A. Diarra IP Address: 8721 Code:	Miss P. Adebayo IP Address: 992 Code:

Rounding to the Nearest 10, 100 and 1000 **Answers**

Question	Answer
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: 5735 Code: **5740, 5700, 6000**
	Mrs P. Patel IP Address: 827 Code: **830, 800, 1000**
	Miss L. Smith IP Address: 2816 Code: **2820, 2800, 3000**
	Mr M. Yung IP Address: 787 Code: **790, 800, 1000**
	Mr M. Stubbs IP Address: 528 Code: **530, 500, 1000**
	Ms M. Fritz IP Address: 2719 Code: **2720, 2700, 3000**
	Mr H. Hansson IP Address: 871 Code: **870, 900, 1000**
	Ms B. Eden-Green IP Address: 1736 Code: **1740, 1700, 2000**
	Mrs L. Tunnicliffe IP Address: 8464 Code: **8460, 8500, 8000**

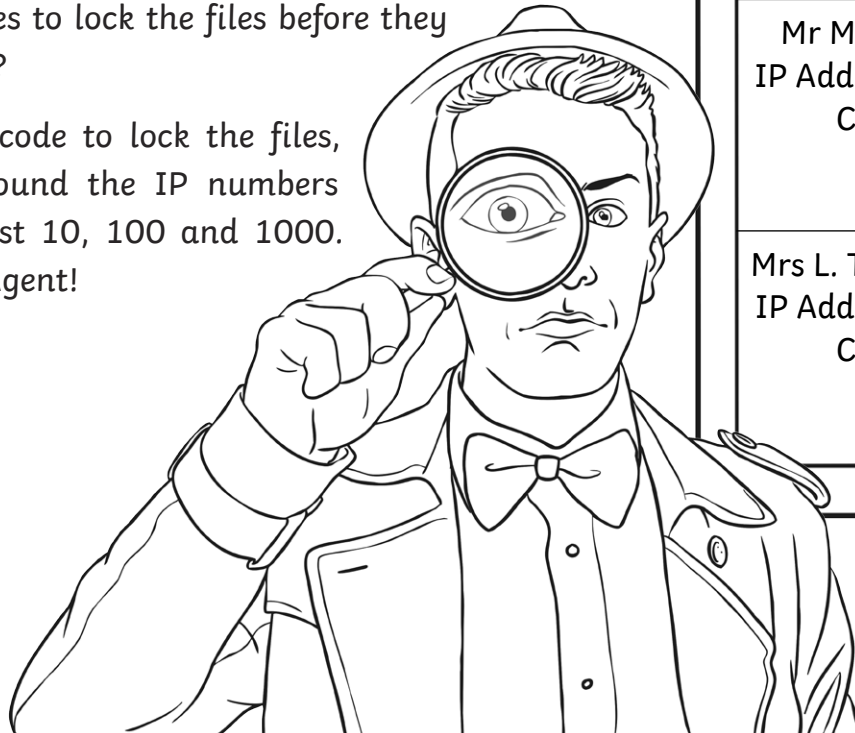| |
|---|
| Mr R. Petrov IP Address: 4856
 Code: **4860, 4900, 5000** |
| Mrs A. Diarra IP Address: 8721
 Code: **8720, 8700, 9000** |
| Miss P. Adebayo IP Address: 992
 Code: **990, 1000, 1000** |

Rounding to the Nearest 10, 100 and 1000

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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:	Mrs P. Patel IP Address: 9873 Code:	Miss L. Smith IP Address: 5863 Code:	Mr M. Yung IP Address: 7862 Code:
8290, 8300, 8000			
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:

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Maths | Year 4 | Number and Place Value | Rounding | Lesson 4 of 5: The Agent's Mission

Rounding to the Nearest 10, 100 and 1000 **Answers**

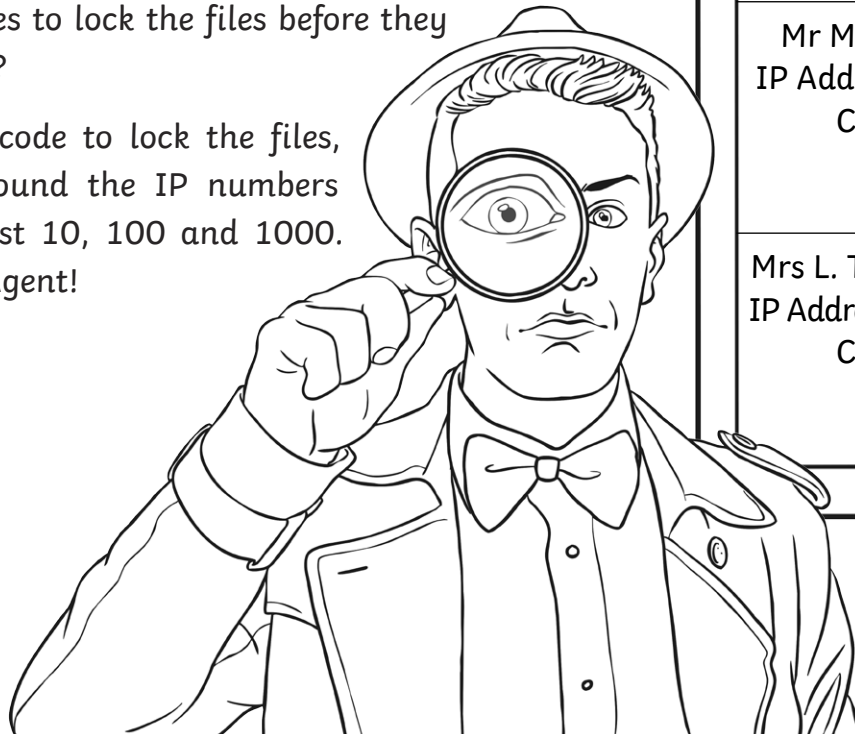| Question	Answer
To find the code to lock the files, you must round the IP numbers to the nearest 10, 100 and 1000. Good luck, Agent!	
	E.g. Mr J. Cheng IP Address: 8294 Code: **8290, 8300, 8000**
	Mrs P. Patel IP Address: 9873 Code: **9870, 9900, 10 000**
	Miss L. Smith IP Address: 5863 Code: **5860, 5900, 6000**
	Mr M. Yung IP Address: 7862 Code: **7860, 7900, 8000**
	Mr M. Stubbs IP Address: 5435 Code: **5440, 5400, 5000**
	Ms M. Fritz IP Address: 1937 Code: **1940, 1900, 2000**
	Mr H. Hansson IP Address: 8833 Code: **8830, 8800, 9000**
	Ms B. Eden-Green IP Address: 4826 Code: **4830, 4800, 5000**
	Mrs L. Tunnicliffe IP Address: 7364 Code: **7360, 7400, 7000**

	Mr R. Petrov IP Address: 4346 Code: **4350, 4300, 4000**
	Mrs A. Diarra IP Address: 9737 Code: **9740, 9700, 10 000**
	Miss P. Adebayo IP Address: 6832 Code: **6830, 6800, 7000**

Rounding to the Nearest 10, 100 and 1000

I can round any number to the nearest 10, 100 or 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: 13 494 Code: *13 490, 13 500, 13 000*	Mrs P. Patel IP Address: 8473 Code:	Miss L. Smith IP Address: 25 374 Code:	Mr M. Yung IP Address: 7877 Code:
Mr M. Stubbs IP Address: 8774 Code:	Ms M. Fritz IP Address: 53 382 Code:	Mr H. Hansson IP Address: 4382 Code:	Ms B. Eden-Green IP Address: 76 354 Code:
Mrs L. Tunnicliffe IP Address: 54 845 Code:	Mr R. Petrov IP Address: 7353 Code:	Mrs A. Diarra IP Address: 81 373 Code:	Miss P. Adebayo IP Address: 9953 Code:

Rounding to the Nearest 10, 100 and 1000 **Answers**

Question	Answer
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: 13 494 Code: **13 490, 13 500, 13 000**
	Mrs P. Patel IP Address: 8473 Code: **8470, 8500, 8000**
	Miss L. Smith IP Address: 25 374 Code: **25 370, 25 400, 25 000**
	Mr M. Yung IP Address: 7877 Code: **7880, 7900, 8000**
	Mr M. Stubbs IP Address: 8774 Code: **8770, 8800, 9000**
	Ms M. Fritz IP Address: 53 382 Code: **53 380, 53 400, 53 000**
	Mr H. Hansson IP Address: 4382 Code: **4380, 4400, 4000**
	Ms B. Eden-Green IP Address: 76 354 Code: **76 350, 76 400, 76 000**
	Mrs L. Tunnicliffe IP Address: 54 845 Code: **54 850, 54 800, 55 000**

Mr R. Petrov IP Address: 7353 Code: **7350, 7400, 7000**
Mrs A. Diarra IP Address: 81 373 Code: **81 370, 81 400, 81 000**
Miss P. Adebayo IP Address: 9953 Code: **9950, 10 000, 10 000**