

Name: _____

Year 5 Homework

Set: Tuesday 2nd June Return: Monday 8th June

Focus

Round any number to the nearest 10, 100 or 1,000 (Year 4)

Task One

Rounding to 10

Circle the numbers that become 40 when rounded to the nearest 10.

34

43

31

39

38

46

45

42

36

Rounding to 100

Write 3 numbers that, when rounded to the nearest 100, become:

600 _____

200 _____

900 _____

Rounding to 1000

7 **3** **1** **9** **2**

Use the digits above to make numbers that round to these values:

7000 _____

4000 _____

9000 _____

Task Two

Rounding to the Nearest 10, 100 or 1000

Can you round the numbers provided below to the nearest 10, 100, or 1000?

10	100	1000
83	124	3204
117	885	5670
351	327	1112
886	912	9459
938	752	11 230
1009	4320	36 824
5774	2865	40 001
8052	7431	78 923
10 671	34 854	63 642
23 986	71 679	99 420

Task Three - Challenge Task

The Case of the Missing Jewels

During the early hours of the morning, a thief broke into the palace and stole The Queen's most precious jewels, worth approximately three million pounds. Fortunately, the thief left behind some clues. Can you work out the clues to identify the correct suspect?

In a witness statement, they estimated that the thief is about 170cm tall. Each suspect's height has been taken from the existing criminal database. You need to round each suspect's height to the nearest 10cm to eliminate any suspects.

	Pieter Kaldov	Maaria Ritz	Kent Falcone	Ruby Colour
Height	175cm	166cm	172cm	174cm
Rounded Height to the Nearest 10cm				

According to video footage, it took the thief around 900 seconds to sprint from the tower to the escape vehicle. You need to round each suspect's recorded sprint time to the nearest 100 seconds to eliminate any suspects.

	Pieter Kaldov	Maaria Ritz	Kent Falcone	Ruby Colour
Sprint Time	535 seconds	972 seconds	861 seconds	893 seconds
Rounded Sprint Time to the Nearest 100 Seconds				

The flooring in the room where the jewels were taken has a weight sensor. It recorded an estimated weight of 57 000 grams entering the room. You need to round each suspect's weight to the nearest 1000 grams to eliminate any suspects.

	Pieter Kaldov	Maaria Ritz	Kent Falcone	Ruby Colour
Weight	56 593 grams	57 403 grams	56 586 grams	57 726 grams
Rounded Weight to the Nearest 1000 Grams				

The thief is _____.

Rounding Numbers

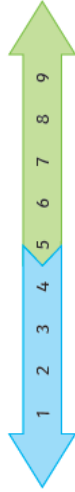


We round numbers to make estimates or to explain how near in value a number is to another number.

We round numbers to different powers of 10.

Using a number line can help you to see which multiple of a power of 10 a number is closer to.

Let's round 7563 to different powers of 10.



If the digit immediately to the right of the power of 10 being rounded to is **0, 1, 2, 3 or 4**, round to the **previous multiple**.

If the digit immediately to the right of the power of 10 being rounded to is **5, 6, 7, 8 or 9**, round to the **next multiple**.

previous multiple of 10

7560

7563

To the nearest 10, 7563 rounds to 7560.

7570

next multiple of 10

previous multiple of 100

7500

To the nearest 100, 7563 rounds to 7600.

7563

7600

next multiple of 100

previous multiple of 1000

7000

To the nearest 1000, 7563 rounds to 8000.

7563

8000

next multiple of 1000