



DEEPENING UNDERSTANDING ANSWER SHEET

YEAR 4 PIM - ROUNDING TO NEAREST 10 / 100

Fluency 1

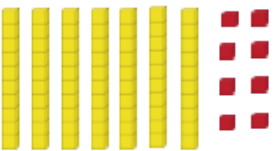
47 falls between **40** and **50**.

When rounding to the nearest 10, we have to look at the **ones** column.

There are **7** ones in 47 so we round **up**.

47 rounded to the nearest 10 = **50**.

Fluency 2

XXXVII	XL (40)
	40
XCII	XC (90)
	80
	60
LXXXV	XC (90)



Fluency 3

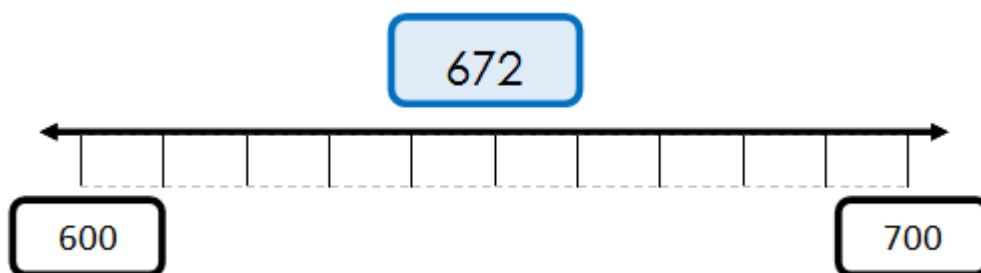
346 falls between **300** and **400**.

When rounding to the nearest 100, we have to look at
the **tens** column.

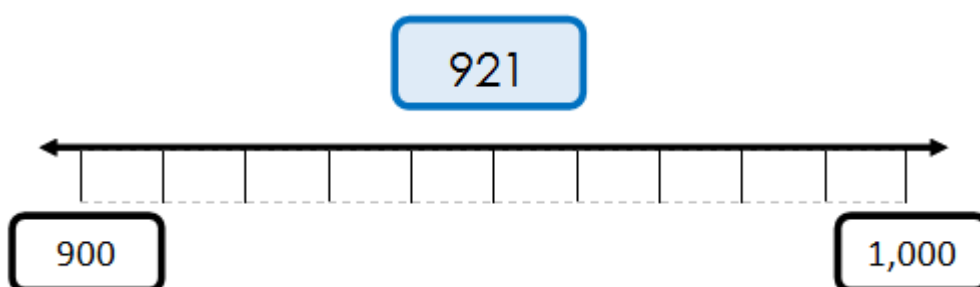
There are **4** tens in 346 so we round **down**.

346 rounded to the nearest 100 = **300**.

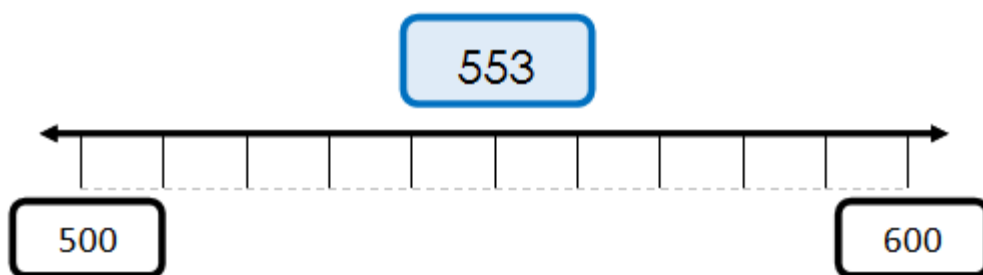
Fluency 4



672 falls between **600** and **700**. When rounding to the nearest 100 we have to look at the **tens** column. There are **7** tens in 672 so we round **up**. 672 rounded to the nearest 100 = **700**.



921 falls between **900** and **1,000**. When rounding to the nearest 100 we have to look at the **tens** column. There are **2** tens in 921 so we round **down**. 921 rounded to the nearest 100 = **900**.



553 falls between **500** and **600**. When rounding to the nearest 100 we have to look at the **tens** column. There are **5** tens in 553 so we round **up**. 553 rounded to the nearest 100 = **600**.

Reasoning 1

Modelled DAB Reasoning Responses

D – I notice something.

A – The two missing numbers have to be between 260 and 270.

B – The first box is almost half way but closer to 260. Halfway would be 265 so the first box should be **264**. The second box is just over halfway between the middle and 270 therefore the second box should be **268**.

Reasoning 2

Modelled DAB Reasoning Response

D – Marlon is wrong.

A – They are not the only possible answers.

B – Other numbers that would round to 30 are 25, 26, 27, 28 and 29.

Reasoning 3

Modelled DAB Reasoning Response

D – Millie is wrong.

A – 347 does not round up to 400 to the nearest 100.

B – Millie has looked at the ones digit to decide whether to round up or down. However, when rounding to the nearest 100, you need to look at the tens digit. In 347, the tens digit is the 4 which tells us we should round down.

347 rounded to the nearest 100 is 340.

Reasoning 4

Modelled DAB Reasoning Response

D – The statement is sometimes true.

A – A number with a three in the hundreds column can round down to the nearest hundred but others will round up.

B – 326 will round down as the tens digit is a 2.

372 will round up as the tens digit is a 7.

Download our 'DAB' posters to support reasoning in your classroom:

<https://www.deepeningunderstanding.co.uk/product/dab-reasoning-posters/>

Problem Solving 1

Possible answers:

Rounds to 100 = 96

Rounds to 200 = 246

Rounds to 300 = 264

Rounds to 400 = 426

Rounds to 500 = 492

Rounds to 600 = 624

Rounds to 700 = 694

Rounds to 900 = 926

Rounds to 1,000 = 964

Rounds to 2,500 = 2,469

