DEEPENING UNDERSTANDING ANSWER SHEET

YEAR 4 PIM – ROUNDING TO 1,000

Fluency 1

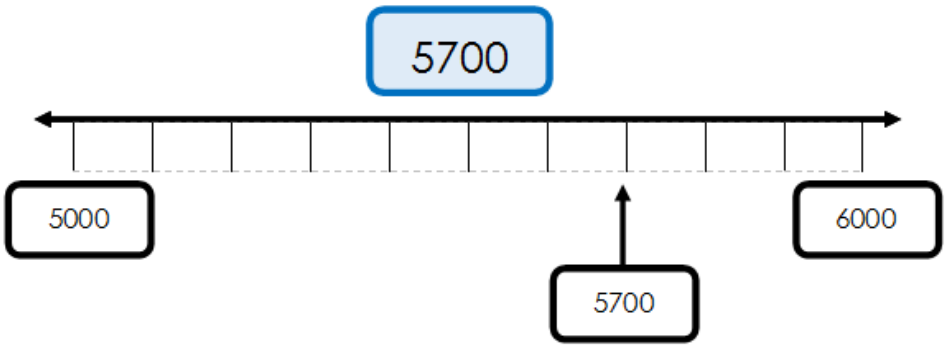
3600 falls between 3000 and 4000.

When rounding to the nearest 1000 we have to look at the hundreds column.

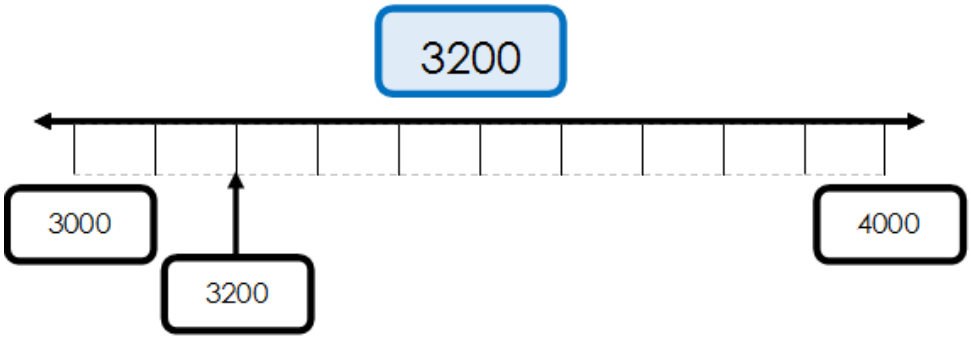
There are 6 hundreds in 3600 so we round up.

3600 rounded to the nearest 1000 = 4000.

Fluency 2



5,700 to the nearest 1,000 rounds to 6,000.



3,200 to the nearest 1,000 rounds to 3,000.

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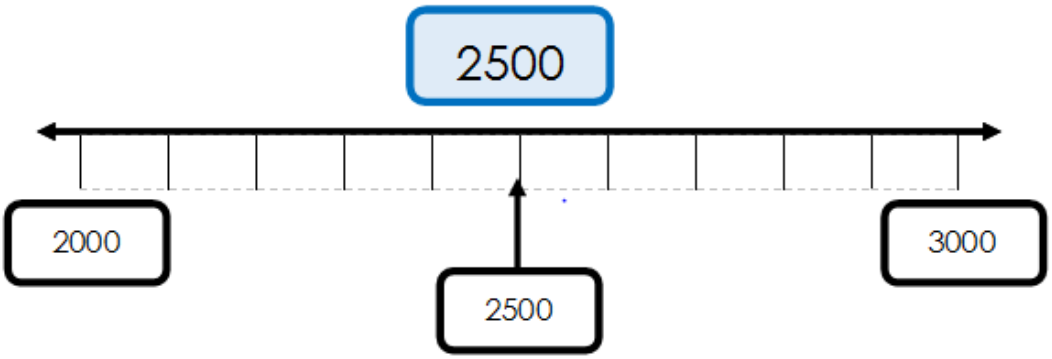
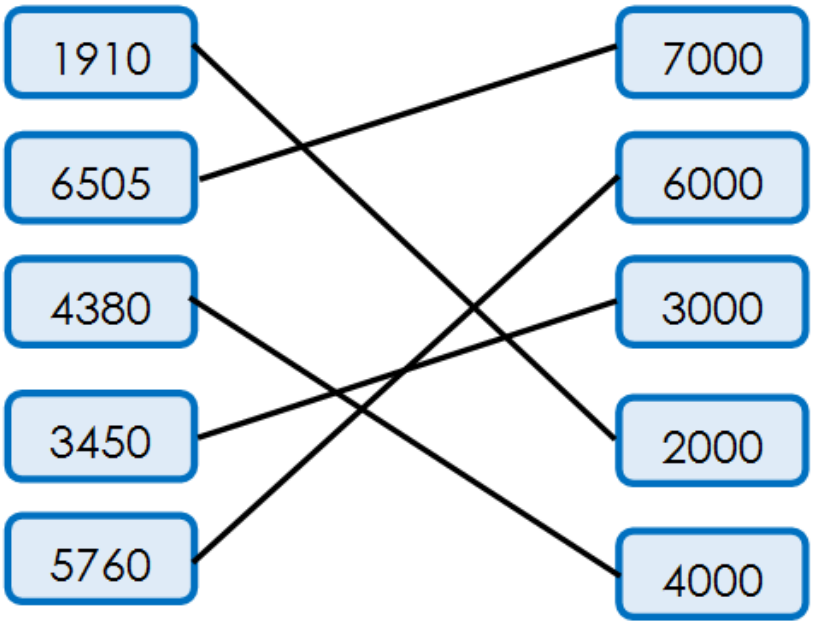


2,500 to the nearest 1,000 rounds to 3,000.

Fluency 3



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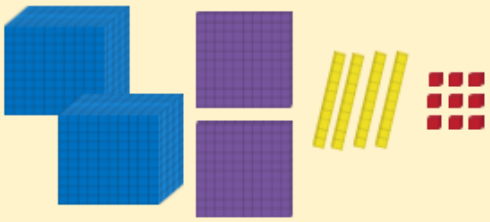
Fluency 4

Number	Rounded to 1000
Five thousand, seven hundred and sixty two	6000
	2000
4000 + 600 + 70 + 4	5000
Nine thousand, four hundred and fifty two.	9000
8 hundreds, 3 thousands, 4 ones and 2 tens.	4000

Reasoning 1

Modelled DAB Reasoning Responses

D – The statement is false.

A – When rounding to the nearest thousand, we **do not** need to look at the tens column to decide whether to round up or down.

B – Instead, we need to look at the hundreds column to decide whether to round up or down. If the hundreds digit is a 5 or greater then we round up. If it is less than 5, we round down.

Reasoning 2

Modelled DAB Reasoning Response

D – Anita has made a mistake.

A – She has rounded the number 5,450 incorrectly.

B – The number 5,450 has a 4 in the hundreds place. This tells us we need to round down. 5,450 rounded to the nearest 1,000 is 5,000.

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Reasoning 3

D – I notice something.

A – The hidden number will round up.

B – The number has 5 hundreds so that shows it will have to round up.

Reasoning 4

Modelled DAB Reasoning Response

D – Sometimes

A – A number that rounds to 3000 to the nearest thousand will sometimes have 3 thousands in the number.

B – It is not always as it is possible to have 2 thousands in a number that rounds to 3000. Any number between 2500 – 2999 would round to 3000 but has 2 thousands and not 3.

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

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

Problem Solving 1

Answer should show the ranges of scores that would be possible for each person:

Jane: Any score between 7001-7499

Darcey: Any score between 6001-6499

Alfie: Any score between 6500-6999

Caleb: Any score between 5500-5999

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