



# M1c: Can round any whole number to the nearest 10, 100 and 1000

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# Reviewing Fractions – Please write your answers in your books

Don't forget to simplify your answers!

1.  $14/20 - 2/5 =$

2.  $3/5 \times 4/7 =$

3.  $2/9 \times 3/6 =$

4.  $2/3 + 4/7 =$

# Reviewing ordering decimals – Please write your answers in your books

1. Put these numbers in ascending order:

34.98 35.98 34.098 35.982 34.099

2. Write the number fifteen point zero seven three in figures.

3. Write the value of the 4 in this decimal 56.34

# Vocabulary: Rounding whole numbers

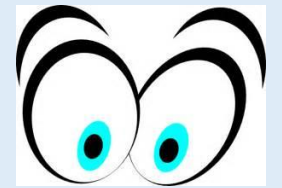
closest to  
round up  
round down  
between



Teacher's Note:  
See 'Vocabulary Shorts' resource below for  
ideas and games to develop and embed  
vocabulary.

[Vocabulary Shorts](#)

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## Rounding to the nearest 10

What is **5643** rounded to the nearest 10?

When rounding to the nearest 10, we need to look at the digit in the **ones** column.

564**3**

← 3 ones

3 is **less than 5** so we round **down**.

5643 rounded to the nearest 10 is **5640**.

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## Rounding to the nearest 10

Top Tip:

Multiples of 10 end in at **least one zero**. This is a good way of checking quickly that you have rounded to the correct multiple.

Can round any whole number to the nearest 10,  
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## Your turn

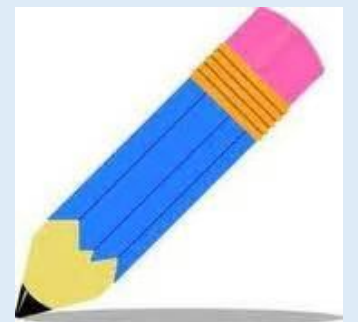
Round these whole numbers to the nearest 10.

1. 57

2. 271

3. 2306

4. 5555



# Reasoning

What is the highest number that will round to the nearest ten to give an answer of 160?



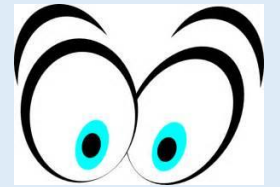


# Reasoning

A number rounded to the nearest 10 is 550.  
What is the smallest possible number it  
could be?



Can round any whole number to the nearest 10,  
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## Rounding to the nearest 100

What is **5643** rounded to the nearest 100?

When rounding to the nearest 100, we need to look at the digit in the **tens** column.

56**4**3

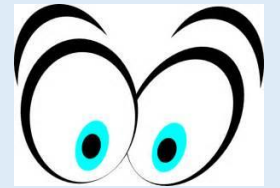
4 tens or 40

40 is **less than 50** so we round **down**.

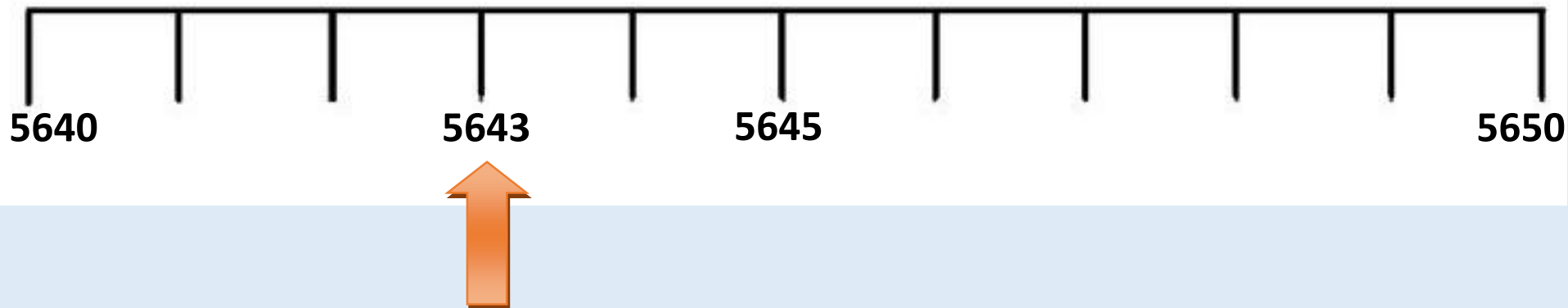
5643 rounded to the nearest 100 is **5600**.

Can round any whole number to the nearest 10,  
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## Rounding to the nearest 100



As we have seen, **5643** rounded to the nearest 100 is 5600. If you are not sure why, the **number line** below may help.



5643 is closer to 5640 than 5650 so therefore it is 5600 when rounded to the nearest 100.

Can round any whole number to the nearest 10,  
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## Rounding to the nearest 100

Top Tip:

Multiples of 100 end in at **least two zeros**. This is a good way of checking quickly that you have rounded to the correct multiple.

Can round any whole number to the nearest 10,  
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## Your turn

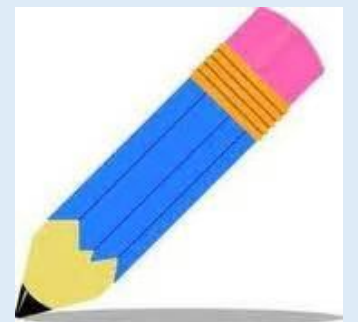
Round these whole numbers to the nearest 100.

1. 782

2. 4318

3. 1240

4. 2609



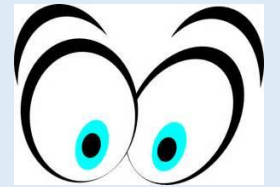
# Problem Solving

The school kitchen wants to order enough jacket potatoes for lunch. Potatoes come in sacks of 100. How many sacks do they need for 766 children?



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## Rounding to the nearest 1000



What is **5643** rounded to the nearest 1000?

When rounding to the nearest 1000, we need to look at the digit in the **hundreds** column.

**5643**

6 hundreds or 600

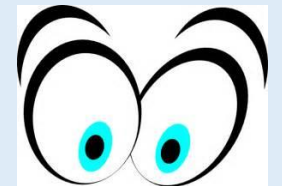
600 is **more than 500** so we round **up**.

5643 rounded to the nearest 1000 is **6000**.

# Can round any whole number to the nearest 10, 100 and 1000

## What happens when a number is half way between?

What is **7500** rounded to the nearest 1000?



When a number lies **exactly half way between**, we round **up**.

**7500**

5 hundreds or 500

In this example 7500 is **exactly half way** between 7000 and 8000 so we round **up**.

7500 rounded to the nearest 1000 is **8000**.



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## Rounding to the nearest 1000

Top Tip:

Multiples of 1000 end in at **least three zeros**. This is a good way of checking quickly that you have rounded to the correct multiple.

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## Your turn

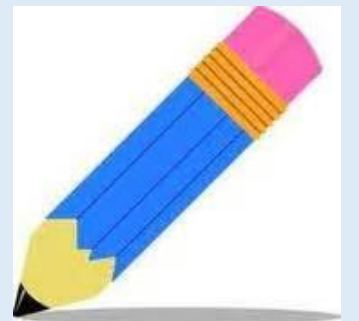
Round these whole numbers to the nearest 1000.

1. 7415

2. 2940

3. 4500

4. 23,625



# Reasoning

The answer was 7300.  
What rounding question could have  
been asked?  
How do you know?



# Reasoning

True or false?

43,598 rounded to the nearest 10 is 43,600.

How do you know?

