

Try it

1. What is the previous and next multiple of 10

$\overbrace{\hspace{1.5cm}}^{54}$ **50 and 60**

What is the previous and next multiple of 10

$\overbrace{\hspace{1.5cm}}^{785}$ **780 and 790**

What is the previous and next multiple of 100

$\overbrace{\hspace{1.5cm}}^{1048}$ **1000 and 1100**

What is the previous and next multiple of 100

$\overbrace{\hspace{1.5cm}}^{2993}$ **2900 and 3000**

2.

Round **84,516**

to the nearest 10

84,520

to the nearest 100

84,500

3. For each number, find five numbers that round to it when rounding to the nearest 100

300

**any number
between 250
and 349.**

10,000

**any number
between 9,950 -
10,049.**

8,900

**any number
between 8,850 -
9049.**

4.

Complete the table.

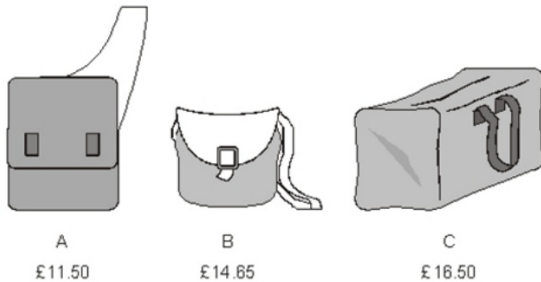
Start Number	Nearest 10	Nearest 100
365	370	400
1,242	1240	1200
4765 - 4774	4,770	4800

Use it

1. A venue holds 3,278 fans for a concert. Rounded to the nearest 100, how many people can the venue hold? **3,300 fans**

2. A football stadium holds 65,218 fans. Rounded to the nearest 100, how many people can it hold?
65,200 fans

3. Here are three bags in a shop



How much does bag B cost to the nearest pound? **£15**



Here are four digit cards. Make two different numbers that round to 200 when rounding to the nearest 100.

T mark

2,567 to the nearest 100 is 2,500



Whitney

Do you agree with Whitney?
Explain why.

I do not agree with Whitney because 2,567 rounded to the nearest 100 is 2,600. I know this because if the tens digit is 5, 6, 7, 8 or 9 we round up to the next hundred.

Prove it

REASONING 3



If I round 347 to the nearest 100, the answer is 400 because a 7 always rounds up!



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 300.

REASONING 2

A number is rounded to the nearest 10 and the answer is 30.



There are 5 possible answers:
30, 31, 32, 33 and 34.

Do you agree with Marlon?

They are not the only possible answers.

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

My number is 1,350 when rounded to the nearest 10



Mo

Mo - 1345 - 1354



Rosie

My number is 1,400 when rounded to the nearest 100

Rosie - 1350 - 1449

Both numbers are whole numbers.

What is the greatest possible difference between the two numbers?

Greatest possible difference = 1449 - 1345 is 104.