

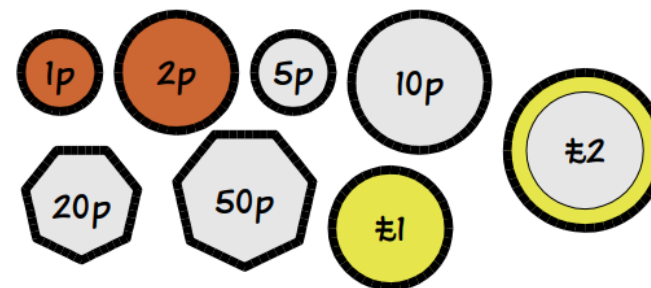
## Week 1 Lesson 3

### LO: To estimate totals using rounding.

Starter: These are the coins commonly used in Britain today –

What is the total value of:

the copper coins (1p, 2p), the silver coins, the gold coins?



Task: In today's lesson we are going to use rounding to the nearest hundred to estimate (make a good guess) the total of two numbers.

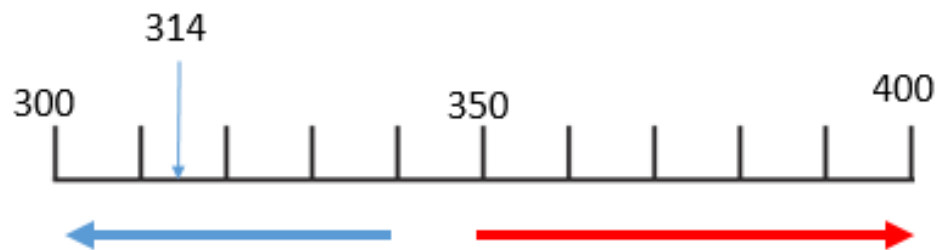
Think about the numbers  $314 + 278$

So, if we were rounding 314 to the nearest hundred

we would count on to the next ten (314, 315, 316, 317, 318, 319, **320**)

and then count on in tens to the next hundred

(320, 330, 340, 350, 360, 370, 380, 390, **400**).

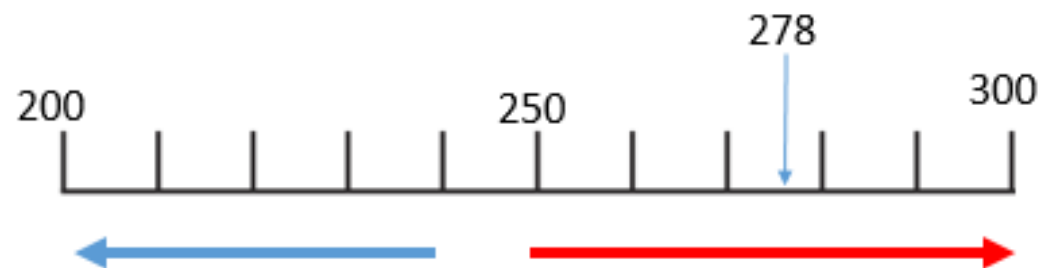


314 is nearest 300, and 278 is nearest 300

So a good guess (estimate) is  $314 + 278$  becomes  $300 + 300 = 600$

Our estimate is **600**

We do the same for 278



**Five (5) in the tens and above round up.**

**Less than five (5) in the tens round down.**

Round each of the numbers in these calculations to estimate the total and then answer the problem.

1. Which of these calculations give an answer of about 500?  $314 + 278$ $103 + 415$ $278 + 131$ $465 + 182$	2. Which of these calculations give an answer of about 600?  $372 + 231$ $319 + 229$ $117 + 593$ $131 + 317$	3. Which of these calculations give an answer of about 800?  $712 + 235$ $427 + 231$ $297 + 325$ $435 + 357$	4. Which of these calculations give an answer of about 1000?  $807 + 296$ $143 + 978$ $82 + 1007$ $405 + 597$	5. Which of these calculations give an answer of about 1200?  $814 + 253$ $446 + 756$ $978 + 312$ $523 + 596$
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### Challenge

Try these which include four digit numbers (thousands). Same skill, but more thinking.

6. Which of these calculations give an answer of about 1500?  $756 + 747$ $623 + 576$ $1225 + 261$ $925 + 403$	7. Which of these calculations give an answer of about 2000?  $1600 + 200$ $400 + 1900$ $1300 + 700$ $1500 + 1500$	8. Which of these calculations give an answer of about 3000?  $1500 + 1075$ $2050 + 960$ $1025 + 1750$ $750 + 2200$
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