

Max's Rounding Adventure

Learning objective: To round any number to the nearest 10, 100 or 1,000.

Read Max the monkey's guide to rounding. Use the number line to help you check your place value and decide whether to round up or down.

Max the monkey is organising his collection of tropical fruit. He has 462 bananas, 1,285 mangoes, and 8,049 coconuts. Max likes to keep things simple by rounding his totals. To round to the nearest 10, look at the ones digit. If it is 5 or more, you round up to the next ten. If it is less than 5, you round down. The same rule applies for rounding to the nearest 100 (look at the tens digit) and 1,000 (look at the hundreds digit).

Word bank: Round · Nearest · Estimate · Place value · Digit · Interval · Midpoint

1. Max has 462 bananas. Round this number to the nearest 10. Explain how you found your answer. (2 marks)

2. Round Max's 1,285 mangoes to the nearest 100. (1 mark)

3. Max has 8,049 coconuts. Round this number to the nearest 1,000. (1 mark)

4. Ellie the elephant bought some snacks for £8.45. If she rounds the cost to the nearest pound, how much does she pay? Show your working. (2 marks)

5. If a number rounds to 500 when rounded to the nearest 100, what is the smallest whole number it could be? (2 marks)

Draw: Draw a number line from 200 to 300. Mark the number 247 on the line and show with an arrow which hundred it is closest to.



Extension challenge: Max has a collection of 5,499 shells. He says, 'If I round this to the nearest 10, the nearest 100, and the nearest 1,000, I get the same answer every time.' Is Max correct? Prove it!