

Max's Market Math: Rounding Numbers

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

Max the monkey is helping at the local community market. Help him sort the prices and visitor numbers by rounding them to the nearest specified value. Remember the rule: if the digit to the right is 5 or more, round up!

Max is busy calculating the day's takings at the market. A crate of apples costs £147. To make his mental math easier, Max rounds this to the nearest £10, which is £150. Later, 2,342 people visited the market. Max rounds this to the nearest 1,000 to tell the organizers that about 2,000 people attended. Accurate rounding helps Max keep track of all the stalls and visitors quickly and efficiently.

Word bank: rounding · estimate · nearest · digit · place value · interval

1. Round the price of a jar of honey, which is £46, to the nearest £10. (1 mark)

2. A bag of flour costs £328. Round this price to the nearest £100. (1 mark)

3. The market stall sold 4,567 bunches of carrots. Round this number to the nearest 1,000. (1 mark)

4. The total number of visitors recorded this year was 12,840. Round this number to the nearest 10,000. (2 marks)

5. Max says that 455,500 rounded to the nearest 100,000 is 500,000. Is he correct? Explain your reasoning. (2 marks)

Draw: Draw a number line from 0 to 1,000 and place a monkey character named Max standing at the number 672, showing which '100s' number he is closest to.

Extension challenge: Max has a budget of £5,000 to buy new equipment for the market. If he buys three items that cost £1,240, £1,890, and £910, estimate the total cost by rounding each item to the nearest £100 before adding them together. Does he have enough money left?