

Max's Rounding Rally

Learning objective: To round any number to the nearest 10, 100 or 1000, and use rounding to estimate and justify answers.

Help Max the monkey solve these number puzzles! Rounding is a handy trick to help us estimate. Remember the rule: if the digit is 5 or more, round up to the next ten, hundred, or thousand. If it is 4 or less, stay at the current value.

Answer Key: 1. B, 2. True, 3. 400, 4. C, 5. False, 6. 7000, 7. A, 8. True, 9. 2500, 10. B. Remember: 5 is the 'magic' tipping point that pushes us up!

Word bank: round · estimate · nearest · digit · increase · placeholder · value · approximately

1. Max has 47 marbles. What is 47 rounded to the nearest 10? A) 40 B) 50* C) 45 D) 60 (1 mark)

2. True or False: When rounding 324 to the nearest 100, the answer is 300. (1 mark)

3. Round 382 to the nearest 100. (1 mark)

4. If a shop item costs £1,289, what is the price rounded to the nearest £100? A) £1,200 B) £1,280 C) £1,300* D) £1,400 (1 mark)

5. True or False: Rounding 6,500 to the nearest 1,000 gives you 6,000. (1 mark)

6. Round 7,499 to the nearest 1,000. (1 mark)

7. Which number rounds to 80 when rounded to the nearest 10? A) 76* B) 84 C) 74 D) 85 (1 mark)

8. True or False: 555 rounded to the nearest 10 is 560. (1 mark)

9. Round 2,472 to the nearest 100. (1 mark)

10. Max estimates $21 + 39$ by rounding to the nearest 10. What is his estimate? A) 50 B) 60*
C) 70 D) 40 (1 mark)

Draw: Draw a number line from 0 to 100. Place a small character, like Max the monkey, at the number 67. Draw an arrow showing which way he should jump to get to the nearest 10.



Extension challenge: 1. Explain why we round numbers instead of using exact figures in real-life scenarios. 2. Compare and contrast rounding to the nearest 10 versus rounding to the nearest 100; which is more precise? 3. Justify why 499 rounds to 500 when looking at the nearest 100, even though 4 is less than 5. 4. What might happen if a shopkeeper rounded prices down instead of up? 5. Create your own rounding challenge for a friend using a 4-digit number. 6. If you round a number to the nearest 10 and get 100, what is the smallest whole number it could have been?