

Max's Magnificent Decimal Dash

Learning objective: To consolidate understanding of decimals, including place value, rounding, and arithmetic operations as per the Year 6 curriculum.

Help Max the monkey solve his decimal puzzles! Read each question carefully. Some require you to choose the correct letter, while others need a quick calculation or a True/False answer.

Answer Key: 1. B (0.47), 2. False, 3. 0.007, 4. C (0.9), 5. True, 6. 0.05, 7. A (6.5), 8. 4.67, 9. False, 10. 0.75.

Max says: Well done on your decimal dash!

Word bank: thousandths · decimal point · place value · rounding · equivalent

1. 1. Max has 0.47 kg of bananas. Which digit is in the tenths column? A) 7, B) 4*, C) 0, D) 47 (1 mark)

2. 2. True or False: 0.5 is smaller than 0.05. (1 mark)

3. 3. What is seven thousandths written as a decimal? (1 mark)

4. 4. Which of these is equivalent to 0.90? A) 0.09, B) 0.900, C) 0.9*, D) 0.009 (1 mark)

5. 5. True or False: Rounding 3.64 to the nearest whole number gives 4. (1 mark)

6. 6. What is $0.5 \div 10$? (1 mark)

7. 7. Which is the largest number? A) 6.5*, B) 6.49, C) 6.05, D) 6.499 (1 mark)

8. 8. Max buys a notebook for £3.20 and a pen for £1.47. What is the total cost? (1 mark)

9. 9. True or False: 1.25 multiplied by 100 is 12.5. (1 mark)

10. 10. Write $\frac{3}{4}$ as a decimal. (1 mark)

Draw: Draw Max the monkey sitting under a tree, carefully balancing a giant pile of numbered wooden blocks with decimal points on them.



Extension challenge: Max has £10.00. He buys three apples costing £0.85 each and a bunch of grapes for £2.40. How much change should he receive? Show your working.