

Max's Magnificent Decimal Dash

Learning objective: To consolidate understanding of decimals, including place value, comparing, rounding, and converting decimals to fractions.

Help Max the monkey solve these decimal puzzles. Read each question carefully and write your answers clearly in the spaces provided.

Answer Key: 1) C, 2) True, 3) 0.6, 4) B, 5) False, 6) 0.52, 7) 0.35, 8) 0.7, 9) 1.25, 10) 0.6

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

1. 1. Max has 0.45kg of bananas. What is the value of the digit 4 in this number? A) 4 ones, B) 4 tenths, C) 4 hundredths, D) 4 thousandths. Answer: *B (1 mark)

2. 2. True or False: 0.7 is greater than 0.07. (1 mark)

3. 3. Write the fraction 6/10 as a decimal. (1 mark)

4. 4. Which of these numbers is the smallest? A) 0.25, B) 0.205, C) 0.5, D) 0.52. Answer: *B (1 mark)

5. 5. True or False: If you round 0.46 to the nearest tenth, you get 0.4. (1 mark)

6. 6. Max buys a snack for £0.52. Write this amount in pounds. (1 mark)

7. 7. What is 35/100 as a decimal? (1 mark)

8. 8. Complete the sequence: 0.1, 0.3, 0.5, ... (1 mark)

9. 9. Max finds 1 whole and 25 hundredths of a meter of rope. Write this as a decimal. (1 mark)

10. 10. Which is equivalent to 60/100? A) 0.06, B) 6.0, C) 0.6, D) 0.006. Answer: *C (1 mark)

Draw: Draw Max the monkey standing next to a giant decimal number line, holding a sign that shows 0.50.



Extension challenge: Max has £5.00. He buys three items costing £1.20, £0.85, and £2.10. How much change does he have left? Show your working using a column subtraction method.