

Max's Market Day: Grade 3 Decimals Assessment

Learning objective: To recognize, write, and compare decimal numbers and their relationship to fractions and money.

Read each question carefully. Use the space provided to show your working out. Remember to use £ for money answers. Good luck!

Max the monkey is helping at the local community market. He is using his math skills to help stallholders label their items and calculate change. Today, Max is organising fruit prices, weighing produce in kilograms, and helping customers with their shopping baskets.

Word bank: decimal point · tenths · hundredths · place value · equivalent · fraction

1. Max has an apple that weighs 0.7 kg. Write this decimal as a fraction with a denominator of 10. (1 mark)

2. A bunch of bananas costs £1.45. Circle the digit that represents the tenths. (1 mark)

3. Max sees two bags of flour. Bag A weighs 0.82 kg and Bag B weighs 0.85 kg. Which bag is heavier? Explain your answer using your knowledge of place value. (3 marks)

4. Complete the sequence: 0.2, 0.4, 0.6, ____, ____, 1.2. (2 marks)

5. Max buys a punnet of strawberries for £2.30 and a jar of honey for £3.75. How much does he spend in total? Show your column addition. (3 marks)

6. A customer hands Max a £10 note for items that cost £6.50. How much change should Max give back? Show your working out. (3 marks)

7. Max is sorting items by weight. He has a bag of sugar (0.45 kg), a bag of rice (0.4 kg), and a bag of oats (0.05 kg). Write these in order from heaviest to lightest and explain how you compared the hundredths column. (5 marks)

8. If you divide 1 by 10, what is the decimal result? If you divide that result by 10 again, what is the new decimal? (2 marks)

9. Max says, '0.5 is exactly the same as 0.50'. Is he correct? Use a drawing or a number sentence to prove your answer. (3 marks)

Draw: Draw a number line from 0 to 1 and mark the positions of 0.25, 0.5, and 0.75.



Extension challenge: Total: /25