Arithmetic

| **1.** 84 + 50 | **2.** 80 x 5 | **3.** 88 + 320 | **4.** $\dfrac{1}{7} + \dfrac{4}{7}$ |

Practice: Add and Subtract Mass

5. Recap: Explain how to complete this calculation:

1kg 400g + 1kg 800g

6. Calculate these.

a. 2kg 300g + 4kg 500g   b. 4kg 400g + 3kg 600g

c. 7kg 150g + 2kg 450g

7. Calculate these.

a. 5kg 600g – 2kg 100g   b. 3kg 700g – 2kg 500g

c. 7kg 400g – 3kg 400g

8. Calculate these.

a. 3kg 600g + 1kg 700g   b. 1kg 950g + 4kg 400g

c. 5kg 650g + 5kg 750g

9. Calculate these.

a. 4kg 200g – 1kg 500g   b. 5 ½ kg – 4kg 200g

c.7kg – 5kg 100g

10. Explain how to solve this calculation:

3kg 500g + ? = 5kg

11. Calculate these.

a. 10kg + ? = 15kg 750g

b. 4kg 300g – ? = 1kg 700g

12. Calculate these.

a. 6kg – ? = 2 ½ kg

b. 2kg + 800g + ? = 5kg 50g

13. 3kg 500g – 2kg 600g = 2kg 1g

Explain the errors.

Challenge

14. The answer is 5kg.

Write at least two addition and two subtraction calculations that would provide this answer.

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	84 + 50	134
2	80 x 5	400
3	88 + 320	408
4	$\frac{1}{7} + \frac{4}{7}$	$\frac{5}{7}$
5	Explain how to complete this calculation: 1kg 400g + 1kg 800g	Methods to solve this calculation will vary but the pupil should identify that they will need to convert the grams to kilograms to ensure the answer is accurate. The correct answer is 3kg 200g.
6	Calculate these.	a. 6kg 800g, b. 8kg, c. 9kg 600g
7	Calculate these.	a. 3kg 500g, b. 1kg 200g, c. 4kg
8	Calculate these.	a. 5kg 300g, b. 6kg 350g, c. 11kg 400g
9	Calculate these.	a. 2kg 700g, b. 1kg 300g, c. 1kg 900g
10	Explain how to solve this calculation: 3kg 500g + ? = 5kg	Answers will vary. Pupils may talk about using the inverse to find the missing value or they may use bar models to find the missing value. Accept answers that describe an efficient method to solve this calculation. The missing number is 1kg 500g or 1 ½ kg.
11	Calculate these.	a. 5kg 750g, b. 2kg 600g
12	Calculate these.	a. 3 ½ kg or 3kg 500g, b. 2kg 250g
13	3kg 500g – 2kg 600g = 2kg 1g. Explain the errors.	The answer shows two errors. The first error is that the pupil has reversed the grams and calculated 600g – 500g. This is a common error, especially when pupils use the column method of subtraction and are not confident with exchanging. The second error is with the grams. The pupil has not understood that the zeros are required in 100g. This demonstrates that the pupil does not understand the importance of zero as a place holder.
14	The answer is 5kg. Write at least two addition and two subtraction calculations that would provide this answer.	Answers will vary, accept answers that give the answer 5kg. Example answer: 3kg + 2kg = 5kg 2kg 500g + 2kg 500g = 5kg 7kg – 2kg = 5kg 10kg 400g – 5kg 400g = 5kg