Name:

Maths Assessment Year 4 Term 2: Addition and Subtraction

1. Add numbers up to 4 digits, using formal written methods of columnar addition and subtraction.

2. Estimate the answer to a calculation and use inverse operations to check answers.

3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.

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Maths Assessment Year 4 Term 2: Addition and Subtraction

1. Add numbers up to 4 digits, using formal written methods of columnar addition and subtraction.

a) Add the following, using a column method; set your addition and answer in the box below:

2782 + 1971	5021 + 619	3098 + 2307 + 4234

3 marks

b) Subtract the following, using a column method; set your subtraction and answer in the box below:

4792 – 3412	7305 – 5923	9800 – 5394

3 marks

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2. Estimate the answer to a calculation and use inverse operations to check answers.

a) Write down the calculation you would do to estimate the answer, and calculate the estimated answer:

My estimate

5367 + 4804 =

8769 – 3012 =

2 marks

Total for this page

b) Use this calculation below to complete the following:

$$3447 + 2712 = 6159$$

i) 6159 - 2712 = [ ]

ii) 6159 - 3447 = [ ]

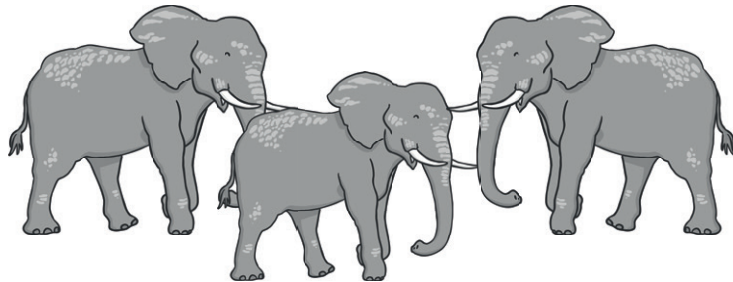· ·

3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.

Solve these problems and show your working out. Even if you get the wrong answer, you may get a mark for your working out.

A zoo has 3 elephants. Here are their weights:

Diberta	6798kg
Mya	5723kg
Layang	4957kg

a) The elephants are to be moved and the haulage company needs to know if total weight is less than 17 500 kg. Calculate how much more or less than 17 500 kg the total weight of the elephants is.

more [ ]

less [ ]

by... [ ]

b) Is the difference between the weights of Dilberta and Mya more or less than the difference between the weights of Mya and Layang?

[ ]

c) Marosh buys 3 books with a £10 book token. He is left with 3p change. One book cost £2.99. How much could each of the other books cost?

Book 1

Book 2

question	answer	marks	notes
1. Add numbers up to 4 digits; use formal written method of columnar addition and subtraction.			
a	4753 5640 9639	3	1 mark each. Must have used a column method to answer the question.
b	1380 1382 4406	3	1 mark each. Must have used a column method to answer the question.
2. Estimate the answer to a calculation and use inverse operations to check answers.			
a	Sensible estimate given: Either **5,500 + 5,000 = 10,500** Or **5,400 + 4,800 = 10,200** Either **9,000 − 3,000 = 6,000** Or **8,800 − 3 000 = 5,800**	2	1 mark each
b	i) 6159 - 2712 = **3447** ii) 6159 - 3447 = **2712**	1	
3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.			
a	22kg less	up to 2 marks	Award 2 marks for the correct answer, whether working out shown or not. Award 1 mark for incorrect answer but the addition of the 3 weights and finding the difference between this and 17 500.
b	The difference between Dilberta and Mya is greater than the difference between My and Layang. 6,798-5,723 = 1,075kg 5,723 − 4957 = 766kg	up to 2 marks	Award 2 marks for the correct answer, whether working out shown or not. Award 1 mark for correctly using 2 subtraction calculations with 1 error in calculating.
c	2 books that cost £6.98 in total.	up to 2 marks	Award 2 marks for the correct answer, whether working out shown or not. Award 1 mark for incorrect answer calculating the 2 books must total £6.98 but no correct answer.
		Total 15	