

Name:



Maths Assessment Year 4 Term 3: 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.

Name:

Date:

Maths Assessment Year 4 Term 3: 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:

$4912 + 708$	$2901 + 3978 + 63$

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

$6205 - 982$	$7000 - 4823$



2 marks



2 marks



2 marks



Total for this page

c) Using the column method complete these calculations so they are correct:

i) $\square 9 \square + 9 \square 2 = 1647$

ii) $112 \square - \square 17 = 5 \square 3$



2 marks

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

$524 - 109 =$



1 mark

b) Write a calculation for which the following could be an estimate:

$3700 + 2400 = 6100 =$



1 mark

c) Using the following three numbers, write 4 different addition and subtraction calculations:

4203

3197

7400



1 mark



Total for this page

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 cinema has 5 screens. The capacity of each screen is as follows:

Screen 1	795 seats
Screen 2	1231 seats
Screen 3	1067 seats
Screen 4	756 seats
Screen 5	575 seats

- a) What is the total capacity of the cinema?

2 marks

- b) On Saturday morning Screens 3 and 4 show films for children that cost £1 per seat. 652 seats were empty in screen 3. How much money does the cinema take for these showings?

2 marks

- c) Maya has £10.50. She gives away £2.50 to Children in Need and buys a Pudsey t-shirt for £3.79. How much does she have left?

2 marks

Total for this page

Answer Sheet: Maths Assessment Year 4 Term 3: Addition and Subtraction



question	answer	marks	notes
1. Add numbers up to 4 digits; use formal written method of columnar addition and subtraction.			
a	5620 6942	up to 2 marks	1 mark each. Must have used a column method to answer the question.
b	5223 2177	up to 2 marks	1 mark each. Must have used a column method to answer the question.
c	i) $\boxed{6}9\boxed{5} + 9\boxed{5}2 = 1647$ ii) $112\boxed{0} - \boxed{6}17 = 5\boxed{0}3$	up to 2 marks	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: 500 - 100 = 400	1	
b	3650 to 3749 + 2530 to 2449	1	It is not necessary to calculate the answer, but do not penalise any attempt to add the 2 numbers written, even if the calculation is incorrect.
c	4203 + 3197 = 7400 3197 + 4203 = 7400 7400 - 3197 = 4203 7400 - 4203 = 3197	1	Allow 7400 = 4203 + 3197 etc.
3. Solve addition and subtraction two step problems in context, decide which operations and methods to use and why.			
a	4424 seats	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 only one error in calculation.
b	£1171	up to 2 marks	Award 2 marks for the correct answer, whether working out shown or not. Award 1 mark for correct method but only 1 error in calculations.
c	£4.21	up to 2 marks	Award 2 marks for the correct answer, whether working out shown or not. Award 1 mark for incorrect answer with the correct method and only one error in calculations.
		Total 15	