

Name:



## Maths Assessment Year 3: Addition and Subtraction

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1. Add and subtract numbers mentally.
2. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.
3. Estimate the answer to a calculation and use inverse operations to check answers.
4. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

Name:

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## Maths Assessment Year 3: Addition and Subtraction

1. Add and subtract numbers mentally.

- a)       b)       c)   
d)       e)       f)

6 marks

2. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.

Using a formal written method, find the answers:

- a)  $637 + 25 =$       b)  $758 - 61 =$       c)  $372 + 483 =$

3 marks

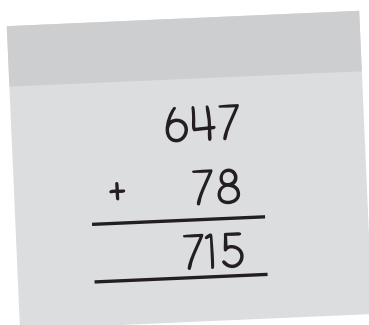
3. Estimate the answer to a calculation and use inverse operations to check answers.

a) Write down the calculation you would do to estimate the answer:

- $285 + 113 =$    
 $852 - 306 =$

2 marks

b) Is this calculation correct? Show how you would check it using the inverse.



1 mark

Total for this page

4. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

a) Write in the missing numbers:

$$\boxed{\phantom{000}} + 73 = 100$$

$$120 - \boxed{\phantom{000}} = 49$$

$$\boxed{\phantom{000}} - 70 = 345$$

$$138 + \boxed{\phantom{000}} = 650$$

Solve these problems:

b) Robert's mum doubled his pocket money because he did lots of extra jobs for her. He usually gets £2.50 a week, how much did he get this week?

£

c) Kate's dad baked 48 cupcakes for her birthday party. 36 children ate one each. How many are left?

d) There were 52 people on the bus and 28 got off at the cinema. How many people were left on the bus?

e) Imran and his friends stopped at the shop on the way home from school and decided to put their money together to buy some chocolate. Imran had £1.20, Farhan had 45p and Daniyal had 60p. How much did they have to spend?

£



4 marks



1 mark



1 mark



1 mark



1 mark



Total for this page

# Teacher Script and Answer Sheet: Maths Assessment Year 3:

## Number - Addition and Subtraction



question 1	Teacher script for mental maths questions						
a	$263 + 4 =$		b	$348 - 5 =$		c	$452 + 30 =$
d	$663 - 30 =$		e	$682 + 200 =$		f	$725 - 500 =$

question	answer	marks	notes
<b>1. Add and subtract numbers mentally.</b>			
	a) <input type="text" value="267"/> b) <input type="text" value="343"/> c) <input type="text" value="482"/> d) <input type="text" value="633"/> e) <input type="text" value="882"/> f) <input type="text" value="225"/>	6	Award 1 mark for each correct answer.
<b>2. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</b>			
a	662	1	Award 1 mark for each correct answer. Do not award a mark if no written columnar method has been shown.
b	697	1	
c	855	1	
<b>3. Estimate the answer to a calculation and use inverse operations to check answers.</b>			
a	$285 + 113 = \mathbf{300 + 100}$ $852 - 306 = \mathbf{850 - 300}$	2	Award 1 mark for each estimate. Also accept a reasonable alternative eg $280 + 110$ or $290 + 100$ . Do not accept attempts to calculate the exact answer.
b	No. $715 - 78 = 637$ or $715 - 647 = 68$ .	1	Award 1 mark for correctly showing an inverse calculation (including if the answer contains an error) even if the answer 'no' is not given.
<b>4. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</b>			
a	$\mathbf{27} + 73 = 100$ $120 - \mathbf{71} = 49$ $\mathbf{415} - 70 = 345$ $138 + \mathbf{512} = 650$	4	Award 1 mark for each correct answer.
b	£5	1	
c	12	1	
d	24	1	
e	£2.25	1	Do not accept £225
		Total 20	