

Name:



## Maths Assessment Year 3 Term 2: 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.

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Date:

## Maths Assessment Year 3 Term 2: 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)  $409 + 88 =$       b)  $614 - 52 =$       c)  $728 + 173 =$

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:

$491 + 237 =$    
 $721 - 187 =$

2 marks

b) Using the calculation on the whiteboard, draw a ring round the following calculations that are correct.

$$\begin{array}{r} 512 \\ + 145 \\ \hline 657 \end{array}$$

$512 - 145 = 657$

$657 + 145 = 512$

$657 - 145 = 512$

$657 - 512 = 145$

1 mark

Total for this page

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

Solve these problems:

- a) Ahmed bought a book for £2.99 and paid with a £5 note. How much change did he receive?

£



1 mark

- b) Jodie had a collection of 49 magazines. She gave 23 of them to a friend. How many did she have left?



1 mark

- c) 105 children went swimming in the morning. 57 swam in the afternoon, and 32 in the evening. How many children swam in the whole day?



1 mark

- d) Charlotte bought 5 felt pens for £1.60. A day later she noticed the shop was selling the same 5 pens for £1.95. How much did she save by buying them when she did?



1 mark

- e) Write in the missing numbers:

+ 39 = 100

96 -  = 29

- 120 = 146

430 +  = 592



4 marks



Total for this page

question 1	Teacher script for mental maths questions					
a	137 + 5 =	b	689 - 6 =	c	529 + 40 =	
d	831 - 60 =	e	341 + 700 =	f	605 - 300 =	

question	answer	marks	notes
<b>1. Add and subtract numbers mentally.</b>			
	a) <input type="text" value="142"/> b) <input type="text" value="683"/> c) <input type="text" value="569"/> d) <input type="text" value="771"/> e) <input type="text" value="1041"/> f) <input type="text" value="305"/>	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	497	1	Award 1 mark for each correct answer. Do not award a mark if no written columnar method has been shown.
b	562	1	
c	901	1	
<b>3. Estimate the answer to a calculation and use inverse operations to check answers.</b>			
a	$491 + 237 = \mathbf{500 + 250}$ $721 - 187 = \mathbf{700 - 200}$	2	Award 1 mark for each estimate. Also accept a reasonable alternative eg $500 + 200$ or $490 + 240$ . Do not accept attempts to calculate the exact answer.
b	$\mathbf{657 - 145 = 512}$ and $\mathbf{657 - 512 = 145}$	1	Award 1 mark for ringing the 2 correct answers. No marks for only one correctly ringed or any incorrect answers ringed.
<b>4. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</b>			
a	£2.01	1	
b	26	1	
c	194	1	
d	35p or £0.35	1	
e	$\mathbf{61} + 39 = 100$ $96 - \mathbf{67} = 29$ $\mathbf{266} - 120 = 146$ $430 + \mathbf{162} = 592$	4	Award 1 mark for each correct answer.
		Total 20	