

Name:



## Maths Assessment Year 5: Addition and Subtraction

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1. Add and subtract numbers mentally with increasingly large numbers.
2. Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).
3. Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.
4. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Name:

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## Maths Assessment Year 5: Addition and Subtraction

1. Add and subtract numbers mentally with increasingly large numbers.

Answer the questions your teacher reads out loud, just write the answer.

1		7	
2		8	
3		9	
4		10	
5		11	
6		12	

6 marks

2. Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).

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

$21\ 353 + 2622$	$42\ 649 + 35\ 792$	$52\ 342 + 3028 + 678$

3 marks

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



$35\ 892 - 12\ 421$	$26\ 158 - 3641$	$68\ 403 - 2536$

3 marks

Total for this page

3. Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.

Approximate the answer to the problem below and draw a ring around the most sensible answer:

Problem	My approximation	Circle the most sensible answer						
<p>a) Here are the numbers of people who attended a local football club over 3 weeks:</p> <table border="1" data-bbox="172 591 571 730"> <tr> <td>week 1</td> <td>12 735</td> </tr> <tr> <td>week 2</td> <td>11 926</td> </tr> <tr> <td>week 3</td> <td>15 434</td> </tr> </table>  <p>How many people attended in total over the 3 weeks?</p>	week 1	12 735	week 2	11 926	week 3	15 434		<p>60 095</p> <p>40 095</p> <p>30 095</p>
week 1	12 735							
week 2	11 926							
week 3	15 434							
<p>b) A shop records sales of £15 987 on Monday and on Saturday it records £20 650. How much more was taken on Saturday than Monday?</p> 		<p>4663</p> <p>14 663</p> <p>2663</p>						



2 marks



2 marks



Total for this page

4. Solve addition and subtraction multi-step problems in contexts, deciding 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) Here are the admission costs for a zoo:



Adults	Monday – Friday : £10.50	Saturday and Sunday £ 12.00
Children (4 years to 16)	Monday – Friday: £7.50	Saturday and Sunday £10.00
Family (2 adults and 2 children)	Monday – Friday: £32.50	Saturday and Sunday £42.50

Mr Jones wants to take himself and his 2 children, Billy aged 5 and Jasmine aged 11, to the zoo. He is going on a Thursday. He gives the ticket seller two £20 notes. How much change does he receive?

2 marks

b) Ajay wants a bicycle for his birthday. He has looked in 3 different shops and these are the prices:

<p><b>Bikes '2' Go</b></p>  <p><b>£121.99</b></p>	<p><b>Racers rule</b></p>  <p><b>£99.50</b></p>	<p><b>On Yer Bike</b></p>  <p><b>£135</b></p>
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Ajay has been given £150 for his birthday. He buys the bike from Bikes '2' Go then spends £14.99 on a helmet. How much money will he have left?

2 marks

Total for this page

# Teacher Script and Answer Sheet: Maths Assessment Year 5:

## Addition and Subtraction



Questions for teacher to read aloud for Q1. Read each question twice and leave 10 seconds for the pupils to answer. Children should just write down the answer.

	<b>1.</b> $700 + 500$ <b>2.</b> $300 + 900 + 500$ <b>3.</b> $220 + 590$ <b>4.</b> $1300 + 740$ <b>5.</b> $2500 + 800$ <b>6.</b> $3600 + 2500$ <b>7.</b> $800 - 300$ <b>8.</b> $1\ 000 - 400$ <b>9.</b> $2100 - 500$ <b>10.</b> $3500 - 800$ <b>11.</b> $6700 - 2300$ <b>12.</b> $5400 - 2800$		
question	answer	marks	notes
<b>1.</b> Add and subtract numbers mentally with increasingly large numbers.			
	<b>1.</b> 1200 <b>2.</b> 1700 <b>3.</b> 810 <b>4.</b> 2040 <b>5.</b> 3300 <b>6.</b> 6100 <b>7.</b> 500 <b>8.</b> 600 <b>9.</b> 1600 <b>10.</b> 2700 <b>11.</b> 4400 <b>12.</b> 2600	up to 6 marks	1 or 2 correct = 1 mark 3 or 4 correct = 2 marks 5 or 6 correct = 3 marks 7 or 8 correct = 4 marks 9 or 10 correct = 5 marks 11 or 12 correct = 6 marks
<b>2.</b> Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).			
a	23 975 78 441 56 048	up to 3 marks	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).
b	23 471 22 517 65 867	up to 3 marks	
<b>3.</b> Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.			
a	Uses a sensible estimate Eg $13\ 000 + 12\ 000 + 15\ 000 = 40\ 000$ or $12\ 700 + 11\ 900 + 15\ 400 = 40\ 000$ Circle drawn around b) 40 095	2	Both sections correct for 2 marks. Accept any way of identifying the correct answer. Do not give a mark for the first part if they do not estimate but complete the calculation.
b	Uses a sensible estimate Eg $21\ 000 - 16\ 000 = 5000$ or $20\ 700 - 16\ 000 = 4700$ Circle drawn around a) 4663	2	
<b>4.</b> Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.			
a	£14.50	2	Award 2 marks for the correct answer, whether working out shown or not. Award 1 mark for incorrect answer but a sensible attempt to solve the problem.
b	£13.02	2	
		Total 20	