

Name:



## Maths Assessment Year 2: Addition and Subtraction

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1. Add and subtract numbers mentally.
2. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.
3. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.
4. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.
5. Solve problems using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.

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# Maths Assessment Year 2: Addition and Subtraction

1. Add and subtract numbers mentally.

Listen to the teacher and write the answer in the box.

a)       b)       c)

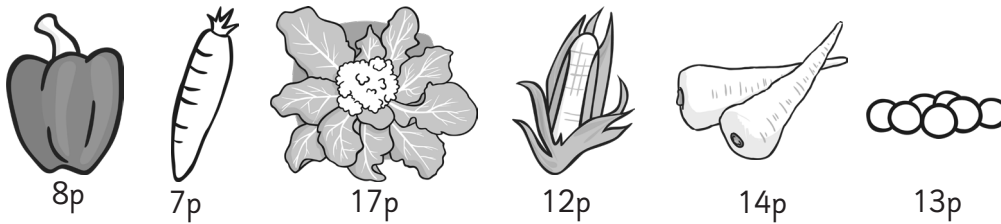
d)       e)       f)

g)

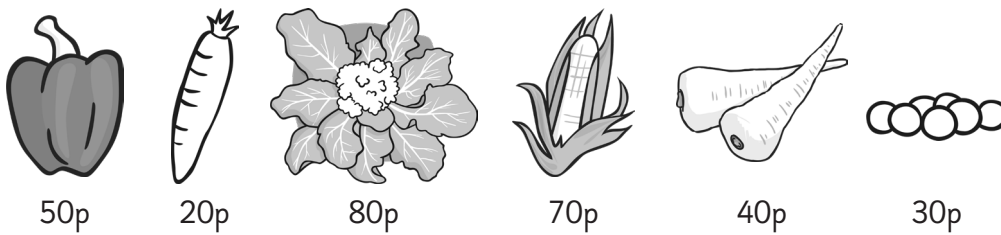
7 marks

2. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.

a) Circle 2 vegetables which I can buy for exactly 20p.



b) This shop is more expensive. Circle 2 vegetables I can buy for exactly £1.00.



c) How much change will I get from £1.00 if I buy a pepper?

1 mark

1 mark

1 mark

3. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.

Make number sentences with the following numbers: **27, 13, 40**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2 marks

Total for this page

4. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Are these calculations correct? Show how you could check this using the inverse.

a)  $65 - 32 = 34$

1 mark

b)  $47 + 39 = 86$

1 mark

c) Find the missing numbers.

+ 23 = 75

84 -  = 62

2 marks

5. Solve problems using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.

Solve these puzzles and show how you worked them out.

There are 52 people in the hall and 29 waiting to go in. How many will be in the hall when they have gone in?



2 mark

Ben is saving for a new tablet computer. He has already saved £69 pounds and needs £100 altogether, how much more does he need to save?



£

2 mark

Total for this page

question	answer	marks	notes
<b>1. Add and subtract numbers mentally. Teacher script for mental maths questions.</b>			
a	$26 + 7 = 33$	1	
b	$48 - 5 = 43$	1	
c	$53 - 8 = 45$	1	
d	$57 - 30 = 27$	1	
e	$26 + 23 = 49$	1	
f	$71 - 36 = 35$	1	
g	$2 + 5 + 9 = 16$	1	
<b>2. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</b>			
a	pepper and the sweetcorn or the peas and the carrot	1	
b	carrot and cauliflower or sweetcorn and peas	1	
c	50p	1	
<b>3. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</b>			
	$27+13=40$ , $13+27=40$ $40-27=13$ , $40-13=27$	2	2 marks (1 mark for 2 or 3 correct answers. 2 marks for 4 correct answers)
<b>4. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</b>			
a	No. Because $34+32=66$ or $32+34=66$	1	Do not award a mark if there is evidence of working out rather than using the inverse relationship.
b	Yes. Because $86-39=47$ or $86-47=39$	1	
c	$52+23=75$ $84-22=62$	2	
<b>5. Solve problems using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods.</b>			
a	81	2	For each question award 1 mark for a correct answer and one for evidence of working out using the correct operation regardless of whether the correct answer is reached.
b	£31	2	
		Total 20	