Name:

Maths Assessment Year 2 Term 2: Addition and Subtraction

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.

Name: Date:

20 total marks

Maths Assessment Year 2 Term 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) ☐ h) ☐ i) ☐

9 marks

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

Match the pairs of numbers that add up to 20.

14	11
7	2
9	6
18	13

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: **23, 18, 41**

a) ☐ + ☐ = ☐ b) ☐ + ☐ = ☐

c) ☐ - ☐ = ☐ d) ☐ - ☐ = ☐

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) 68 - 26 = 32

Incorrect/Correct

1 mark

b) 45 + 29 = 74

So what is 74 - 29?

1 mark

c) Find the missing numbers.

☐ + 71 = 94 72 - ☐ = 47

2 marks

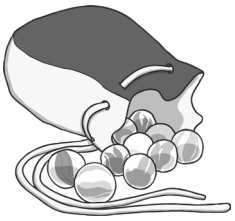
5. Solve problems using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.

Solve these puzzles and show how you worked them out.

a) I buy 2 apples for 32p and 3 oranges for 27p. How much do I spend?

2 marks

b) Sohail has a collection of 74 marbles. He gives 32 of them to his brother. How many marbles does he have left?



2 marks

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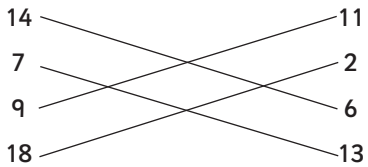
Answer Sheet: Maths Assessment Year 2 Term 2: Addition and Subtraction

question 1	Teacher script for mental maths questions				
a	24 + 7 =	**b**	36 - 3 =	**c**	52 - 6 =
d	61 - 20 =	**e**	42 + 20 =	**f**	31 + 24 =
g	35 - 12 =	**h**	62 - 29 =	**i**	7 + 9 + 3 =

question	answer	marks	notes
1. Add and subtract numbers mentally. **Teacher script for mental maths questions.**			
a	31	1	
b	33	1	
c	46	1	
d	41	1	
e	62	1	
f	55	1	
g	23	1	
h	33	1	
i	19	1	
2. Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.			
		1	
3. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.			
a	23 + 18 = 41	Up to 2 marks	1 mark for 2 or 3 correct. 2 marks for all correct.
b	18 + 23 = 41		
c	41 - 18 = 23		
d	41 - 23 = 18		

question	answer	marks	notes
4. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.			
a	32 + 26 = 58 or 26 + 32 = 68 so it is incorrect or 32 + 26 = 68 or 26 + 32 = 68 so it is incorrect	1	Do not award a mark if there is evidence of working out rather than using the inverse relationship.
b	45	1	
c	**23** + 71 = 94 72 - **25** = 47	2	
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.			
a	59p	2	Award 2 marks for a correct answer and one for evidence of working out using the correct operation regardless of whether the correct answer is reached.
b	42	2	
		Total 20	