Arithmetic — Year 2 — Set 5

About this Resource:

A set of 6 arithmetic tests for Year 2 Summer 1, building on prior mathematical knowledge.

National Curriculum Objectives:

Mathematics Year 1: (1C1) Add and subtract one-digit and two-digit numbers to 20, including zero

Mathematics Year 1: (1N2b) Given a number, identify one more and one less

Mathematics Year 1: (1F1a) Recognise, find and name a half as one of two equal parts of an object, shape or quantity

Mathematics Year 1: (1F1a) Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity

Mathematics Year 2: (2C6) Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

Mathematics Year 2: (2C2a) Add and subtract numbers using concrete objects, pictorial representations, and mentally for a two-digit number and ones

Mathematics Year 2: (2C2a) Add and subtract numbers using concrete objects, pictorial representations, and mentally for a two-digit number and tens

Mathematics Year 2: (2C2a) Add and subtract numbers using concrete objects, pictorial representations, and mentally for two two-digit numbers

Mathematics Year 2: (2C4) Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems

Mathematics Year 2: (2C1) Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

Mathematics Year 2: (2F1a) Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity

Mathematics Year 2: (2N1) Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward

Differentiation:

Beginner Multiplying by 3. 24 questions. Aimed at Year 2 Expected (week 25).

Easy Multiplying by 3. Add together 3 1-digit numbers including missing numbers. 24 questions. Aimed at Year 2 Expected (week 26).

Tricky Multiplying by 3. Add together 3 1-digit numbers and 3 multiples of 10, including missing numbers. 27 questions. Aimed at Year 2 Expected (week 27).

Expert Multiplying and dividing by 3. Add together 3 1-digit numbers and 3 multiples of 10, including missing numbers. 27 questions. Aimed at Year 2 Expected (week 28).

Brainbox Covering all mathematical knowledge needed for the KS1 arithmetic test. 27 questions. Aimed at Year 2 Expected (week 29).

Genius Covering all mathematical knowledge needed for the KS1 arithmetic test. 27 questions. Aimed at Year 2 Expected (week 30).

More Arithmetic Resources.

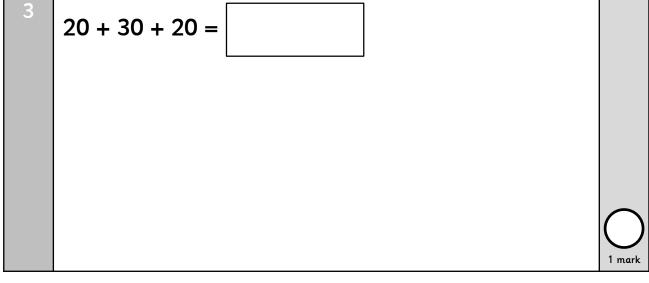
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Year 2 — Set 5 — Teaching Information

Arithmetic — Set 5 — Test 1 8 + 7 + 8 =17 + 3 = 20 + 30 + 20 =



	Arithmetic — Set 5 — Test 1	
4	49 + 1 =	
		1 mark
5	6 x 3 =	
		1 mark
6	3 x 2 =	

Arithmetic — Set 5 — Test 1 76 – 25 = 6 x 10 = 65 + = 100

10
$$\frac{1}{2}$$
 of 30 =



•	
1	mark



Arithmetic — Set 5 — Test 1	
7 x 5 =	1 mark
- 20 = 50	1 mark
15 12 ÷ 2 =	

Arithm	atic _	Sat 5	Tost	1
Arttnm	etic –	- 261 5	– Test	- 1



$$\frac{1}{3}$$
 of 60 =

1	mark



	Arithmetic — Set 5 — Test 1	
19	8 x 10 =	1 mark
20	18 + 42 =	1 mark
21	36 - 10 =	

Arithm	atic -	Set 5	- Test 1	
Arithm	letic -	- set s	– rest i	

$$\frac{1}{4}$$
 of 20 =







Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	2C2a	13	2C6
2	1C1	14	2C3/2C2a
3	2C1	15	2C6
4	1N2b	16	2N1
5	2N1	17	2F1a
6	2C6	18	2C2a
7	2C2a	19	2C6
8	2C6	20	2C2a
9	2C1/2C3	21	2C2a
10	1F1a/2F1a	22	1F1b/2F1a
11	2C6	23	2C6
12	2C2a	24	2C2a



Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	23	1m	
2	20	1m	
3	70	1m	
4	50	1m	
5	18	1m	
6	6	1m	
7	51	1m	
8	60	1m	
9	35	1m	
10	15	1m	
11	8	1m	
12	96	1m	
13	35	1m	
14	70	1m	
15	6	1m	
16	12	1m	
17	20	1m	
18	30	1m	
19	80	1m	
20	60	1m	
21	26	1m	
22	5	1m	
23	60	1m	
24	27	1m	



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Arithm	etic -	– Set	5 –	Test	2
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Arithmetic	_	Set	5	_	Test 2	

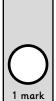


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1	mark



1	mark

1	mark



Α	rith	ım	etic	_	Set	5	_ •	Test	2
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16 
$$\frac{2}{3}$$
 of 21 =



•	
1	mark



Arithm	etic .	– Set	5 –	Test	2
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mark

$$\frac{1}{4}$$
 of 16 =

1 mark

21 2 x 10 =

1 mark

Arithmetic	<ul><li>Set</li></ul>	5 –	Test	2
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$$\frac{1}{3}$$
 of 42 =







## Content domain coverage

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Question	Content domain reference	Question	Content domain reference
1	2C1/2C3	13	2C1/2C3
2	2C2a	14	2C6
3	2C6	15	2C2a/2C3
4	1N2b	16	2F1a
5	2C2a/2C3	17	2C2a
6	2C6	18	2N1
7	2C6	19	2C2a
8	1C1	20	1F1b/2F1a
9	2C2a	21	2C6
10	2C6	22	2F1a
11	2C2a	23	2C6
12	2C6	24	2C2a



### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	30	1m	
2	30	1m	
3	8	1m	
4	59	1m	
5	5	1m	
6	15	1m	
7	8	1m	
8	11	1m	
9	46	1m	
10	24	1m	
11	22	1m	
12	21	1m	
13	8	1m	
14	25	1m	
15	2	1m	
16	14	1m	
17	99	1m	
18	9	1m	
19	67	1m	
20	4	1m	
21	20	1m	
22	14	1m	
23	7	1m	
24	70	1m	
	-	•	·



Α	rithm	etic -	- Set	5 –	Test	3
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Arithmetic - Set 5 - Test 3	Arith	metic	– Set	5 - 1	est	3
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Arithm	otic _	Set 5	_ Tost	3
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1	mark



Arithmetic – Set 5 – Test 3
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1	mark



<b>Arithmet</b>	ic – Set	5 - 1	Test 3
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24 & \frac{1}{2} \text{ of } 2 = \boxed{\phantom{0}}
\end{array}$$



Arithme	etic –	Set	5 –	Test	3
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ı	m	aı	rk	

(	
/	
1	mark

$$\frac{27}{3}$$
 of 60 =



## Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	2C2a	15	2C6
2	2C3/2C1	16	2C1
3	1N2b	17	2C3/2C1
4	2C6	18	2C6
5	1C1	19	2N1/2C6
6	2C6	20	2C6
7	2C2a	21	2C2a
8	2C2a	22	2C2a
9	2C2a	23	2N1
10	2C6	24	1F1a/2F1a
11	11 2C2a		2C3/2C1
12	2C3/2C1	26	2C2a
13	2C2a	27	2F1a
14	2C6		



#### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	60	1m	
2	50	1m	
3	24	1m	
4	15	1m	
5	10	1m	
6	9	1m	
7	33	1m	
8	18	1m	
9	66	1m	
10	40	1m	
11	72	1m	
12	20	1m	
13	98	1m	
14	40	1m	
15	14	1m	
16	20	1m	
17	20	1m	
18	4	1m	
19	30	1m	
20	9	1m	
21	50	1m	
22	40	1m	
23	21	1m	
24	1	1m	



#### Mark scheme

Qu.	Requirement	Mark	Additional guidance
25	20	1m	
26	29	1m	
27	40	1m	

Arithmeti	c – Set	5 - T	est 4

1 mark

1 mark

) 1 mark

Arithmeti	c – Set	5 - T	est 4







Arithmeti	c – Set	5 - T	est 4







<b>Arithm</b>	etic -	– Set	5 –	Test	4
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) 1 mark

1 mark

) 1 mark

1 rithm	ati c	Sat 5	_ Test 4
Arithm	<i>P</i> TIC —	. <i>\o</i> t ¬	_ IPST 4



- 30 = 60	- 30 = 60
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•	
1	mark



Ari	thm	etic	- Set	5 –	Test	4
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<b>Arithm</b>	etic -	– Set	5 –	Test	4
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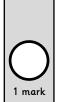
Ari	thm	etic	- Set	5 –	Test	4
/ \I L			200	_	1636	

$$\frac{1}{4}$$
 of 100 =





$$\frac{1}{3}$$
 of 33 =



Ari	thm	etic	- Set	5 –	Test	4
/ \I \			200	_	1636	







# Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	2N1/2C2a	15	2C2a
2	2C2a	16	2C8
3	2C6	17	2C2a
4	1N2b	18	2C2a
5	2C3/2C1	19	2C8
6	2C2a	20	2C1
7	1C1	21	2C2a
8	2C6	22	1F1b/2F1a
9	2C8	23	2C2a
10	2C3/2C1	24	2F1a
11	2C6	25	2C2a
12	2C8	26	2C6
13	2C6	27	2N1/2C2a
14	2C3		



### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	15	1m	
2	30	1m	
3	22	1m	
4	40	1m	
5	40	1m	
6	60	1m	
7	2	1m	
8	18	1m	
9	4	1m	
10	10	1m	
11	15	1m	
12	3	1m	
13	100	1m	
14	90	1m	
15	15	1m	
16	10	1m	
17	49	1m	
18	71	1m	
19	2	1m	
20	7	1m	
21	69	1m	
22	25	1m	
23	89	1m	
24	11	1m	



### Mark scheme

Qu.	Requirement	Mark	Additional guidance
25	51	1m	
26	9	1m	
27	9	1m	

	Arithmetic — Set 5 — Test 5	
1	18 + 6 =	1 mark
2	15 - 9 =	1 mark
3	84 + 10 =	

1 mark

	Arithmetic — Set 5 — Test 5	
4	100 - 1 =	1 mark
5	4 x 3 =	1 mark
6	12 + 8 =	

	Arithmetic — Set 5 — Test 5	
7	17 + 4 + 3 =	1 mark
8	+ 9 = 13	1 mark
9	65 + 27 =	

Arithmetic - Set 5 - Test 5 12 + 33 = 79 – 25 = 63 – 30 =

Arithmetic - Set 5 - Test 5 70 – = 40  $7 \times 10 =$ 15 ÷ 3 =

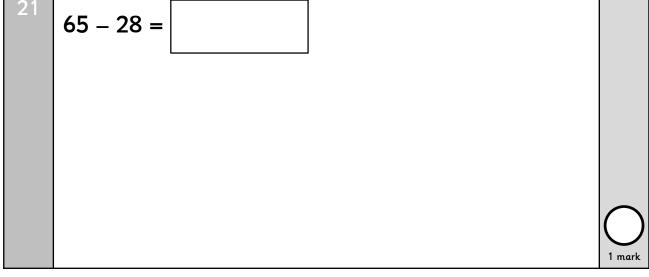
Arithmetic	– Set	5 –	Test 5







Arithmetic - Set 5 - Test 5 43 + 25 = 20 56 + = 70 65 – 28 =



Arithmetic - Set 5 - Test 5
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$$\frac{1}{2}$$
 of 100 =





<b>Arithm</b>	etic -	- Set	5 –	Test	5
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$$\frac{3}{4}$$
 of 24 =







## Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	2C2a	15	2C8/2N1
2	1C2a	16	2C6
3	2C2a	17	2C6
4	1N2b	18	2N1
5	2N1	19	2C2a
6	1C1	20	2C3/2C2a
7	2C2a	21	2C2a
8	2C3/1C2a	22	2C3/2C1
9	2C2a	23	1F1a/2F1a
10	2C6	24	2C2a
11	2C2a	25	2F1a
12	2C2a	26	2C2a
13	2C3/2C1	27	2C2a
14	2C6		



## Mark scheme

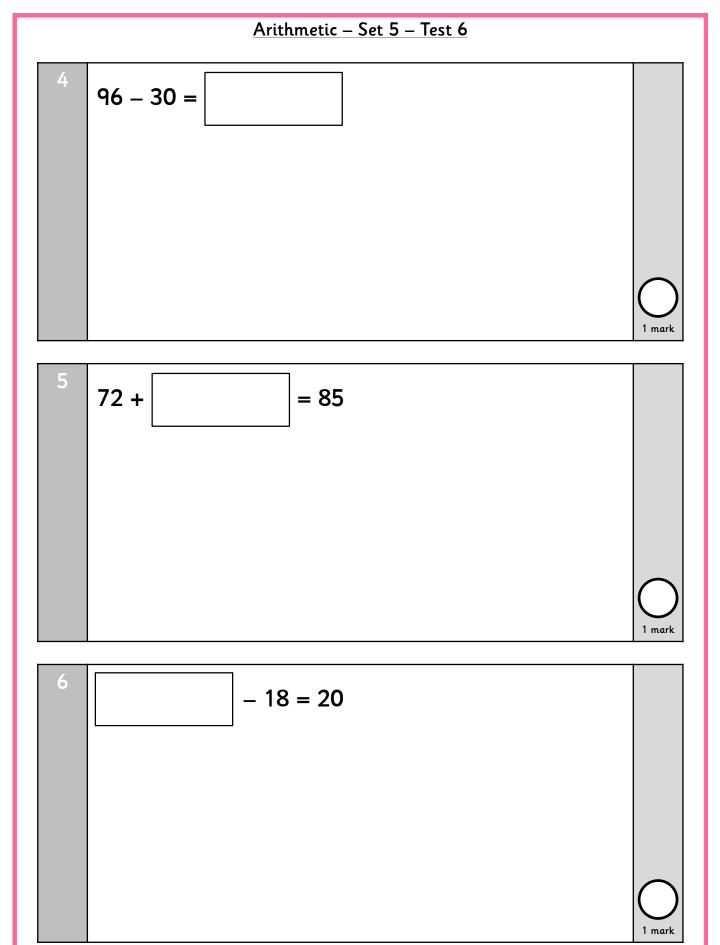
Qu.	Requirement	Mark	Additional guidance
1	24	1m	
2	6	1m	
3	94	1m	
4	99	1m	
5	12	1m	
6	20	1m	
7	24	1m	
8	4	1m	
9	92	1m	
10	45	1m	
11	54	1m	
12	33	1m	
13	30	1m	
14	70	1m	
15	5	1m	
16	0	1m	
17	8	1m	
18	7	1m	
19	68	1m	
20	14	1m	
21	37	1m	
22	30	1m	
23	50	1m	
24	75	1m	



## Mark scheme

Qu.	Requirement	Mark	Additional guidance
25	18	1m	
26	88	1m	
27	93	1m	

	Arithmetic – Set 5 – Test 6	
1	17 + 5 =	1 mark
2	13 - 7 =	1 mark
3	12 x2 =	



Arithm	otic _	Set	5_	Tost	6
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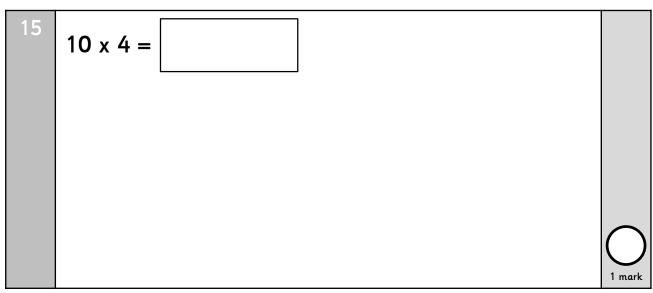
Arithmetic	- Set	5 – Test	6
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Arithmetic - Set 5 - Test 6 +30 + 10 = 6038 + 24 =



Arithmetic – Set 5 – Test 6	Ar	ithm	etic	- Set	5 –	Test	6
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Arithmetic – Set 5 – Test 6	Arithm	etic -	– Set	5 –	Test	6
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$$\frac{1}{4}$$
 of 36 =







Arithm	atic _	Sat 5	S _ Tost	6
Arunin	letic –	- set s	) — Test	0







Arithmetic – Set 5 – Test 6	Ar	ithm	etic	- Set	5 –	Test	6
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$$\frac{27}{3}$$
 of 30 =



## Content domain coverage

	T		
Question	Content domain reference	Question	Content domain reference
1	2C2a	15	2C6
2	1C2a	16	2C2a
3	2C6	17	2C6
4	2C2a	18	2C6
5	2C3/2C2a	19	1F1b/2F1a
6	2C3/2C2a	20	2C3/1C1
7	1C1	21	2C2a
8	2C6	22	2C2a
9	2C2a	23	2N1
10	1N2b	24	2C2a
11	2N1	25	2C6
12	2C6	26	2C2a
13	2C3/2C1	27	2F1a
14	2C2a		



#### Mark scheme

		Mark	Additional guidance
1 2	22	1m	
2	6	1m	
3 2	24	1m	
4	66	1m	
5	13	1m	
6	38	1m	
7 2	20	1m	
8	10	1m	
9 2	28	1m	
10	100	1m	
11	6	1m	
12	4	1m	
13	20	1m	
14	62	1m	
15	40	1m	
16	38	1m	
17	22	1m	
18	10	1m	
19	9	1m	
20	10	1m	
21	75	1m	
22	64	1m	
23	36	1m	
24	100	1m	



### Mark scheme

Qu.	Requirement	Mark	Additional guidance
25	8	1m	
26	22	1m	
27	20	1m	