

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 \$\frac{1}{3}\$, \$\frac{1}{4}\$, \$\frac{2}{4}\$ and \$\frac{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

1

$8 + 7 + 8 =$



1 mark

2

$17 + 3 =$



1 mark

3

$20 + 30 + 20 =$



1 mark

4

$49 + 1 =$



1 mark

5

$6 \times 3 =$



1 mark

6

$3 \times 2 =$



1 mark

7

$76 - 25 =$



1 mark

8

$6 \times 10 =$



1 mark

9

$65 +$

$= 100$



1 mark

10

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



1 mark

11

$$40 \div 5 =$$



1 mark

12

$$16 + 80 =$$



1 mark

13

$7 \times 5 =$



1 mark

14

$- 20 = 50$



1 mark

15

$12 \div 2 =$



1 mark

16

$4 \times 3 =$



1 mark

17

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



1 mark

18

$45 - 15 =$



1 mark

19

$8 \times 10 =$



1 mark

20

$18 + 42 =$



1 mark

21

$36 - 10 =$



1 mark

22

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



1 mark

23

$$12 \times 5 =$$



1 mark

24

$$77 - 50 =$$



1 mark

Arithmetic – Set 5 – Test 1

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

Arithmetic – Set 5 – Test 1

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	

Arithmetic – Set 5 – Test 2

1

$$70 + \boxed{} = 100$$



1 mark

2

$$46 - 16 =$$



1 mark

3

$$16 \div 2 =$$



1 mark

4

$60 - 1 =$



1 mark

5

$7 +$

$+ 6 = 18$



1 mark

6

$5 \times 3 =$



1 mark

7

$80 \div 10 =$



1 mark

8

$20 - 9 =$



1 mark

9

$36 + 10 =$



1 mark

10

$12 \times 2 =$



1 mark

11

$42 - 20 =$



1 mark

12

$7 \times 3 =$



1 mark

13

$$12 + \boxed{} = 20$$



1 mark

14

$$5 \times 5 = \boxed{}$$



1 mark

15

$$9 + 9 + \boxed{} = 20$$



1 mark

16

$$\frac{2}{3} \text{ of } 21 =$$



1 mark

17

$$17 + 82 =$$



1 mark

18

$$3 \times 3 =$$



1 mark

19

$97 - 30 =$



1 mark

20

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



1 mark

21

$2 \times 10 =$



1 mark

22

$$\frac{1}{3} \text{ of } 42 =$$



1 mark

23

$$35 \div 5 =$$



1 mark

24

$$35 + 35 =$$



1 mark

Arithmetic – Set 5 – Test 2

Content domain coverage

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

Arithmetic – Set 5 – Test 2

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	

Arithmetic – Set 5 – Test 3

1

$47 + 13 =$



1 mark

2

$50 +$

$= 100$



1 mark

3

$25 - 1 =$



1 mark

Arithmetic – Set 5 – Test 3

4

$3 \times 5 =$



1 mark

5

$1 + 9 =$



1 mark

6

$90 \div 10 =$



1 mark

7

$45 - 12 =$



1 mark

8

$8 + 2 + 8 =$



1 mark

9

$96 - 30 =$



1 mark

10

$4 \times 10 =$



1 mark

11

$65 + 7 =$



1 mark

12

$10 +$

$+ 20 = 50$



1 mark

13

$99 - 1 =$



1 mark

14

$8 \times 5 =$



1 mark

15

$7 \times 2 =$



1 mark

16

$15 + 5 =$



1 mark

17

$+ 20 + 20 = 60$



1 mark

18

$20 \div 5 =$



1 mark

19

$10 \times 3 =$



1 mark

20

$90 \div 10 =$



1 mark

21

$25 + 25 =$



1 mark

22

$55 - 15 =$



1 mark

23

$7 \times 3 =$



1 mark

24

$\frac{1}{2} \text{ of } 2 =$



1 mark

25

$$80 + \boxed{} = 100$$



1 mark

26

$$37 - 8 = \boxed{}$$



1 mark

27

$$\frac{2}{3} \text{ of } 60 = \boxed{}$$



1 mark

Arithmetic – Set 5 – Test 3

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	2C2a	25	2C3/2C1
12	2C3/2C1	26	2C2a
13	2C2a	27	2F1a
14	2C6		

Arithmetic – Set 5 – Test 3

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	

Arithmetic – Set 5 – Test 3

Mark scheme

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

Arithmetic – Set 5 – Test 4

1

$5 + 5 + 5 =$



1 mark

2

$39 - 9 =$



1 mark

3

$2 \times 11 =$



1 mark

4

$39 + 1 =$



1 mark

5

$60 +$

$= 100$



1 mark

6

$45 + 15 =$



1 mark

7

$10 - 8 =$



1 mark

8

$9 \times 2 =$



1 mark

9

$12 \div 3 =$



1 mark

10

$$10 + \boxed{} + 10 = 30$$



1 mark

11

$$5 \times 3 = \boxed{}$$



1 mark

12

$$9 \div 3 = \boxed{}$$



1 mark

13

$10 \times 10 =$



1 mark

14

$\square - 30 = 60$



1 mark

15

$17 - 2 =$



1 mark

16

$30 \div 3 =$



1 mark

17

$96 - 47 =$



1 mark

18

$56 + 15 =$



1 mark

19

$6 \div 3 =$



1 mark

20

$20 - 13 =$



1 mark

21

$51 + 18 =$



1 mark

22

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



1 mark

23

$$98 - 9 =$$



1 mark

24

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



1 mark

25

$31 + 20 =$



1 mark

26

$45 \div 5 =$



1 mark

27

$3 + 3 + 3 =$



1 mark

Arithmetic – Set 5 – Test 4

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		

Arithmetic – Set 5 – Test 4

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	

Arithmetic – Set 5 – Test 4

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

4

$100 - 1 =$



1 mark

5

$4 \times 3 =$



1 mark

6

$12 + 8 =$



1 mark

7

$17 + 4 + 3 =$



1 mark

8

$+ 9 = 13$



1 mark

9

$65 + 27 =$



1 mark

10

$12 + 33 =$



1 mark

11

$79 - 25 =$



1 mark

12

$63 - 30 =$



1 mark

13

$$70 - \boxed{} = 40$$



1 mark

14

$$7 \times 10 =$$



1 mark

15

$$15 \div 3 =$$



1 mark

16

$2 \times 0 =$



1 mark

17

$40 \div 5 =$



1 mark

18

$21 \div 3 =$



1 mark

19

$43 + 25 =$



1 mark

20

$56 +$

$= 70$



1 mark

21

$65 - 28 =$



1 mark

22

$$20 + 30 + \boxed{} = 80$$



1 mark

23

$$\frac{1}{2} \text{ of } 100 =$$



1 mark

24

$$85 - 10 =$$



1 mark

25

$$\frac{3}{4} \text{ of } 24 =$$



1 mark

26

$$93 - 5 =$$



1 mark

27

$$81 + 12 =$$



1 mark

Arithmetic – Set 5 – Test 5

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

$12 \times 2 =$



1 mark

4

$96 - 30 =$



1 mark

5

$72 +$

$= 85$



1 mark

6

$- 18 = 20$



1 mark

7

$19 + 1 =$



1 mark

8

$20 \div 2 =$



1 mark

9

$4 + 4 + 20 =$



1 mark

10

$99 + 1 =$



1 mark

11

$18 \div 3 =$



1 mark

12

$20 \div 5 =$



1 mark

13

$$+ 30 + 10 = 60$$



1 mark

14

$$38 + 24 =$$



1 mark

15

$$10 \times 4 =$$



1 mark

16

$62 - 24 =$



1 mark

17

$11 \times 2 =$



1 mark

18

$50 \div 5 =$



1 mark

19

$$\frac{1}{4} \text{ of } 36 =$$



1 mark

20

$$6 + \quad + 4 = 20$$



1 mark

21

$$81 - 6 =$$



1 mark

22

$51 + 13 =$



1 mark

23

$= 12 \times 3$



1 mark

24

$45 + 55 =$



1 mark

25

$16 \div 2 =$



1 mark

26

$= 30 - 8$



1 mark

27

$\frac{2}{3}$ of 30 =



1 mark

Arithmetic – Set 5 – Test 6

Content domain coverage

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		

Arithmetic – Set 5 – Test 6

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	22	1m	
2	6	1m	
3	24	1m	
4	66	1m	
5	13	1m	
6	38	1m	
7	20	1m	
8	10	1m	
9	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	