Arithmetic – Year 3 – Set 6

About this Resource:

A set of 6 arithmetic tests for Year 3 Summer 2, building on prior mathematical knowledge.

National Curriculum Objectives:

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: (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: (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 3: (3N2b) Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
Mathematics Year 3: (3C1) Add and subtract numbers mentally, including a three-digit number and ones
Mathematics Year 3: (3C1) Add and subtract numbers mentally, including a three-digit number and tens
Mathematics Year 3: (3C1) Add and subtract numbers mentally, including a three-digit number and hundreds
Mathematics Year 3: (3C2) Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
Mathematics Year 3: (3C4) Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Mathematics Year 3: (3C6) Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Mathematics Year 3: (3C7) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Mathematics Year 3: (3C8) Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects
Mathematics Year 3: (3F1c) Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
Mathematics Year 3: (3F4) Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]

Arithmetic – Year 3 – Set 6

Differentiation:

Beginner Covering all Year 3 arithmetic objectives. 27 questions. Aimed at Year 3 Secure (week 31).
Easy Covering all Year 3 arithmetic objectives. 27 questions. Aimed at Year 3 Secure (week 32).
Tricky Covering all Year 3 arithmetic objectives. 30 questions. Aimed at Year 3 Secure (week 33).
Expert Covering all Year 3 arithmetic objectives. 30 questions. Aimed at Year 3 Secure (week 34).
Brainbox Covering all Year 3 arithmetic objectives. 30 questions. Aimed at Year 3 Secure (week 35).
Genius Covering all Year 3 arithmetic objectives. 30 questions. Aimed at Year 3 Secure (week 36).

More Arithmetic Resources.

Did you like this resource? Don't forget to review it on our website.

Arithmetic – Set 6 – Test 1

1 $39 \div 3 =$

1 mark

2 $532 - 80 =$

1 mark

3 $36 + 150 =$

1 mark

4 $50 + 50 + 50 =$

1 mark

5 $642 + 9 =$

1 mark

6 $\frac{1}{2}$ of $18 =$

1 mark

7 ☐ + 90 = 140

1 mark

8 2 x 100 =

1 mark

9 $\frac{2}{3}$ of 15 =

1 mark

10 741 + 193 =

1 mark

11 ☐ x 8 = 16

1 mark

12 256 – 48 =

1 mark

13 $6 \times 4 =$

1 mark

14 $30 + 20 + 10 =$

1 mark

15 $60 - 20 - 10 =$

1 mark

16 $37 - \square = 20$

1 mark

17 $\frac{1}{4}$ of 40 =

1 mark

18 $\frac{2}{7} + \frac{1}{7} =$

1 mark

19 $\frac{2}{7} - \frac{1}{7} =$

1 mark

20 $\frac{2}{3}$ of 30 =

1 mark

21 7 x 4 =

1 mark

22 $300 - \square = 200$

1 mark

23 $100 + 35 =$

1 mark

24 $742 - 130 =$

1 mark

25 $410 - \square = 400$

1 mark

26 $6 \times 2 =$

1 mark

27 $12 \div \square = 4$

1 mark

Arithmetic – Set 6 – Test 1

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3C6	15	2C1
2	3C1	16	3C4
3	3C2	17	2F1a
4	3N1b	18	3F4
5	3C1	19	3F4
6	2F1a	20	3F1c
7	3C4	21	3C6
8	3N1b	22	3N2b
9	3F1c	23	3N2b
10	3C2	24	3C2
11	3C6	25	3N2b
12	3C2	26	3C6
13	3C6/3C8	27	3C8
14	2C1		

Arithmetic – Set 6 – Test 1

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	13	1m	
2	452	1m	
3	186	1m	
4	150	1m	
5	651	1m	
6	9	1m	
7	50	1m	
8	200	1m	
9	10	1m	
10	934	1m	
11	2	1m	
12	208	1m	
13	24	1m	
14	60	1m	
15	30	1m	
16	17	1m	
17	10	1m	
18	$\frac{3}{7}$	1m	Accept equivalent fractions.
19	$\frac{1}{7}$	1m	Accept equivalent fractions.
20	20	1m	
21	28	1m	
22	100	1m	
23	135	1m	
24	612	1m	

Arithmetic – Set 6 – Test 1

Mark scheme

Qu.	Requirement	Mark	Additional guidance
25	10	1m	
26	12	1m	
27	3	1m	

Arithmetic – Set 6 – Test 2

1 $47 + 10 =$

1 mark

2 $100 + 100 + 100 =$

1 mark

3 $261 + 58 =$

1 mark

4 $742 - 9 =$

1 mark

5 $60 + 40 + 20 =$

1 mark

6 $842 - 213 =$

1 mark

7 $\frac{2}{5} + \frac{3}{5} =$

1 mark

8 $275 + \square = 300$

1 mark

9 $6 \times 4 =$

1 mark

10 $\frac{1}{4}$ of 56 =

1 mark

11 894 – 90 =

1 mark

12 36 ÷ 4 =

1 mark

13 $346 - \square = 340$

1 mark

14 $\frac{9}{11} - \frac{7}{11} =$

1 mark

15 $\frac{1}{5}$ of 50 =

1 mark

16 300 – 200 =

1 mark

17 376 + 200 =

1 mark

18 96 – 15 =

1 mark

19 $3 \times 8 =$

1 mark

20 $620 - 100 =$

1 mark

21 $11 \times \square = 44$

1 mark

22 $24 \times 3 =$

1 mark

23 $75 + \square = 100$

1 mark

24 $39 + 50 =$

1 mark

25 642 – 90 =

1 mark

26 210 + 300 =

1 mark

27 491 – 80 =

1 mark

Arithmetic – Set 6 – Test 2

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3N2b	15	3F1c
2	3N1b	16	3C1
3	3C2	17	3C1
4	3C1	18	2C2a
5	2C2a	19	3C6
6	3C2	20	3C1
7	3F4	21	3C8/3C6
8	3C4	22	3C7
9	3C6	23	3C4
10	2F1a	24	3C1
11	3C1	25	3C1
12	3C6	26	3C1
13	3C4	27	3C1
14	3F4		

Arithmetic – Set 6 – Test 2

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	57	1m	
2	300	1m	
3	319	1m	
4	733	1m	
5	120	1m	
6	629	1m	
7	$\frac{5}{5}$ or 1	1m	Accept equivalent fractions.
8	25	1m	
9	24	1m	
10	14	1m	
11	804	1m	
12	9	1m	
13	6	1m	
14	$\frac{2}{11}$	1m	Accept equivalent fractions.
15	10	1m	
16	100	1m	
17	576	1m	
18	81	1m	
19	24	1m	
20	520	1m	
21	4	1m	
22	72	1m	
23	25	1m	
24	89	1m	
25	552	1m	
26	510	1m	
27	411	1m	

Arithmetic – Set 6 – Test 2

Mark scheme

Qu.	Requirement	Mark	Additional guidance
25	552	1m	
26	510	1m	
27	411	1m	

Arithmetic – Set 6 – Test 3

1

100 – 10 =

1 mark

2

426 + 100 =

1 mark

3

15 x 2 =

1 mark

4 $25 + 25 =$

1 mark

5 $60 - 20 =$

1 mark

6 $746 + 10 =$

1 mark

7 $\frac{2}{3} - \frac{1}{3} =$

1 mark

8 $\frac{1}{5}$ of 35 =

1 mark

9 $21 \div \square = 7$

1 mark

10 $\frac{4}{7} + \frac{2}{7} =$

1 mark

11 940 – 70 =

1 mark

12 $\frac{2}{3}$ of 21 =

1 mark

13 $17 + 100 =$

1 mark

14 $372 - 102 =$

1 mark

15 $36 + 94 =$

1 mark

16 $\frac{8}{10} - \frac{1}{10} =$

1 mark

17 35 x 2 =

1 mark

18 421 – 84 =

1 mark

19 $96 + 9 =$

1 mark

20 $90 \div 10 =$

1 mark

21 $\square \times 3 = 24$

1 mark

22 342 + 60 =

1 mark

23 50 ÷ 5 =

1 mark

24 190 – 100 =

1 mark

25 $16 \div \square = 4$

1 mark

26 $500 - 250 =$

1 mark

27 $25 + 150 =$

1 mark

Arithmetic – Set 6 – Test 3

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3N2b	15	3C2
2	3N2b	16	3F4
3	3C7	17	3C7
4	3C1	18	3C2
5	3C1	19	3C1
6	3N2b	20	2C6
7	3F4	21	3C8
8	3F1c	22	3C1
9	3C8	23	2C6
10	3F4	24	3N2b
11	3C1	25	3C8
12	3F1c	26	3C2
13	3N2b	27	3C2
14	3C2		

Arithmetic – Set 6 – Test 3

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	90	1m	
2	526	1m	
3	30	1m	
4	50	1m	
5	40	1m	
6	756	1m	
7	$\frac{1}{3}$	1m	Accept equivalent fractions.
8	7	1m	
9	3	1m	
10	$\frac{6}{7}$	1m	Accept equivalent fractions.
11	870	1m	
12	14	1m	
13	117	1m	
14	270	1m	
15	130	1m	
16	$\frac{7}{10}$	1m	Accept equivalent fractions.
17	70	1m	
18	337	1m	
19	105	1m	
20	9	1m	
21	8	1m	
22	402	1m	
23	10	1m	
24	90	1m	
25	4	1m	
26	250	1m	
27	175	1m	

Arithmetic – Set 6 – Test 4

1

990 – ☐ = 950

1 mark

2

400 + ☐ = 800

1 mark

3

562 – 60 =

1 mark

4 $3 \times 9 =$

1 mark

5 $45 \div 5 =$

1 mark

6 $\frac{1}{5}$ of 30 =

1 mark

7 $27 + 156 =$

1 mark

8 $392 - 81 =$

1 mark

9 $\frac{1}{4}$ of $44 =$

1 mark

10 $64 \div 8 =$

1 mark

11 $409 + 100 =$

1 mark

12 $804 - 10 =$

1 mark

13 $200 + 50 =$

1 mark

14 $409 - 19 =$

1 mark

15 $\frac{4}{5} - \frac{1}{5} =$

1 mark

16 $12 \times 8 =$

1 mark

17 $900 - \square = 450$

1 mark

18 $56 + 184 =$

1 mark

19 620 – 100 =

1 mark

20 6 x ☐ = 18

1 mark

21 $\frac{2}{12} + \frac{3}{12} =$

1 mark

22 80 – 35 =

1 mark

23 420 + 40 =

1 mark

24 35 + ☐ = 100

1 mark

25 $95 - 16 =$

1 mark

26 $426 + 140 =$

1 mark

27 $12 \times 4 =$

1 mark

Arithmetic – Set 6 – Test 4

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3C4	15	3F4
2	3C4	16	3C6
3	3C1	17	3C4
4	3C6	18	3C2
5	3C6	19	3N2b
6	3F1b	20	3C8
7	3C2	21	3F4
8	3C2	22	3C1
9	2F1a	23	3C1
10	3C6	24	3C4
11	3N2b	25	2C2a
12	3N2b	26	3C2
13	3C1	27	3C6
14	3C2		

Arithmetic – Set 6 – Test 4

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	40	1m	
2	400	1m	
3	502	1m	
4	27	1m	
5	9	1m	
6	6	1m	
7	183	1m	
8	311	1m	
9	11	1m	
10	8	1m	
11	509	1m	
12	794	1m	
13	250	1m	
14	390	1m	
15	$\frac{3}{5}$	1m	Accept equivalent fractions.
16	96	1m	
17	450	1m	
18	240	1m	
19	520	1m	
20	3	1m	
21	$\frac{5}{12}$	1m	Accept equivalent fractions.
22	45	1m	
23	460	1m	
24	65	1m	
25	79	1m	
26	566	1m	
27	48	1m	

Arithmetic – Set 6 – Test 5

1

$42 + 30 =$

1 mark

2

$96 - 35 =$

1 mark

3

$60 \div 10 =$

1 mark

4 $\frac{1}{5}$ of 25 =

1 mark

5 6 x ☐ = 48

1 mark

6 12 ÷ 2 =

1 mark

7 $\frac{6}{7} - \frac{5}{7} =$

1 mark

8 $\frac{2}{3}$ of 30 =

1 mark

9 725 – 100 =

1 mark

10 $896 + 10 =$

1 mark

11 $30 + \square = 150$

1 mark

12 $9 \times 4 =$

1 mark

13 $305 + 95 =$

1 mark

14 $\frac{2}{3}$ of $36 =$

1 mark

15 $41 \times 2 =$

1 mark

16 $400 - 100 - 100 =$

1 mark

17 $\square + 48 = 500$

1 mark

18 $\frac{3}{15} + \frac{4}{15} =$

1 mark

19 652 + 176 =

1 mark

20 396 – 198 =

1 mark

21 26 x 3 =

1 mark

22 $475 + \square = 530$

1 mark

23 $\square \times 3 = 36$

1 mark

24 $505 - 80 =$

1 mark

25 87 – 19 =

1 mark

26 481 + 91 =

1 mark

27 10 x 9 =

1 mark

Arithmetic – Set 6 – Test 5

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	2C1	15	3C7
2	2C2a	16	3N2b
3	2C6	17	3C4
4	3F1c	18	3F4
5	3C8	19	3C2
6	2C6	20	3C2
7	3F4	21	3C7
8	3F1c	22	3C4
9	3N2b	23	3C8
10	3N2b	24	3C1
11	3C4	25	2C2a
12	3C6	26	3C2
13	3C2	27	2C6
14	3F1c		

Arithmetic – Set 6 – Test 5

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	72	1m	
2	61	1m	
3	6	1m	
4	5	1m	
5	8	1m	
6	6	1m	
7	$\frac{1}{7}$	1m	Accept equivalent fractions.
8	20	1m	
9	625	1m	
10	906	1m	
11	120	1m	
12	36	1m	
13	400	1m	
14	24	1m	
15	82	1m	
16	200	1m	
17	452	1m	
18	$\frac{7}{15}$	1m	Accept equivalent fractions.
19	828	1m	
20	198	1m	
21	78	1m	
22	55	1m	
23	12	1m	
24	425	1m	
25	68	1m	
26	572	1m	
27	90	1m	

Arithmetic – Set 6 – Test 6

1

825 – 100 =

1 mark

2

69 + 9 =

1 mark

3

100 + 100 + 50 =

1 mark

4 $40 + 95 =$

1 mark

5 $50 + 96 =$

1 mark

6 $24 \div \square = 3$

1 mark

7 15 x 3 =

1 mark

8 360 – 80 =

1 mark

9 750 – 200 =

1 mark

10 $525 + \square = 600$

1 mark

11 $\frac{2}{9} + \frac{4}{9} =$

1 mark

12 $\frac{1}{3}$ of 12 =

1 mark

13 496 + 109 =

1 mark

14 242 – 101 =

1 mark

15 89 + 90 =

1 mark

16 ☐ x 8 = 32

1 mark

17 $\frac{1}{2}$ of 70 =

1 mark

18 48 ÷ 8 =

1 mark

19 $600 - 250 =$

1 mark

20 $543 - 95 =$

1 mark

21 $\frac{3}{20} - \frac{2}{20} =$

1 mark

22 800 – 99 =

1 mark

23 350 + 95 =

1 mark

24 98 – 49 =

1 mark

25 $45 + 136 =$

1 mark

26 $90 \div \square = 9$

1 mark

27 $100 + 786 =$

1 mark

Arithmetic – Set 6 – Test 6

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3N2b	15	2C2a
2	2C1	16	3C8
3	3N2b	17	2F1a
4	2C1	18	3C6
5	2C1	19	3C1
6	3C8	20	3C2
7	3C7	21	3F4
8	3C1	22	3C2
9	3C1	23	3C2
10	3C4	24	2C2a
11	3F4	25	3C2
12	3F1c	26	3C8
13	3C2	27	3N2b
14	3C2		

Arithmetic – Set 6 – Test 6

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	725	1m	
2	78	1m	
3	250	1m	
4	135	1m	
5	146	1m	
6	8	1m	
7	45	1m	
8	280	1m	
9	550	1m	
10	75	1m	
11	$\frac{6}{9}$	1m	Accept equivalent fractions.
12	4	1m	
13	605	1m	
14	141	1m	
15	179	1m	
16	4	1m	
17	35	1m	
18	6	1m	
19	350	1m	
20	448	1m	
21	$\frac{1}{20}$	1m	Accept equivalent fractions.
22	701	1m	
23	445	1m	
24	49	1m	
25	181	1m	
26	10	1m	
27	886	1m	