

Arithmetic – Year 4 – Set 3

A set of 6 arithmetic tests for Year 4 Spring 1, building on prior mathematical knowledge.

National Curriculum Objectives:

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: (3F1b) [Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators](#)

Mathematics Year 4: (4N2b) [Find 1000 more or less than a given number](#)

Mathematics Year 4: (4C2) [Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate](#)

Mathematics Year 4: (4C6a) [Recall multiplication and division facts for multiplication tables up to \$12 \times 12\$](#)

Mathematics Year 4: (4C6b) [Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers](#)

Mathematics Year 4: (4F4) [Add and subtract fractions with the same denominator within one whole \[for example, \$5/7 + 1/7 = 6/7\$ \]](#)

Differentiation:

Beginner Multiplying by 9. Four-digit number add four-digit number (no bridging). 21 questions. Aimed at Year 4 Secure (week 13).

Easy Multiplying by 9. Four-digit number subtract four-digit number (no exchange). Adding fraction with the same denominator. 21 questions. Aimed at Year 4 Secure (week 14).

Tricky Multiplying by 9. Four-digit number add four-digit number (one bridge). Subtracting fraction with the same denominator. 21 questions. Aimed at Year 4 Secure (week 15).

Expert Multiplying and dividing by 9. Four-digit number subtract four-digit number (one exchange). 24 questions. Aimed at Year 4 Secure (week 16).

Brainbox Multiplying and dividing by 9. Five-digit number add 1,000. Four-digit number add four-digit number (more than one bridge). 24 questions. Aimed at Year 4 Secure (week 17).

Genius Multiplying by 7. Five-digit number subtract 1,000. Four-digit subtract four-digit number (more than one exchange). 24 questions. Aimed at Year 4 Secure (week 18).

More [Arithmetic](#) Resources.

Did you like this resource? Don't forget to [review](#) it on our website.

1

$$346 - 9 =$$



1 mark

2

$$6 \times 9 =$$



1 mark

3

$$\frac{2}{3} \text{ of } 27 =$$



1 mark

4

$$30 \div 10 =$$



1 mark

5

$$564 - 80 =$$



1 mark

6

$$609 + 214 =$$



1 mark

7

$$96 - \boxed{} = 55$$



1 mark

8

$$11 \times 9 =$$



1 mark

9

$$42 \times 0 =$$



1 mark

10

$$3,421 + 1,278 =$$



1 mark

11

$$3,621 - 400 =$$



1 mark

12

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



1 mark

13

$$198 + 9 =$$



1 mark

14

$$5,311 + 2,423 =$$



1 mark

15

$$94 + \boxed{} = 118$$



1 mark

16

$$936 - 764 =$$



1 mark

17

$$7 \times 6 =$$



1 mark

18

$$6,421 + 1,000 =$$



1 mark

19

$$7,321 + 2,136 =$$



1 mark

20

$$64 \div 8 =$$



1 mark

21

$$\boxed{} = 3,742 - 80$$



1 mark

Arithmetic – Set 3 – Test 1

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3C1	12	3F1b
2	4C6a	13	3C1
3	3F1b	14	4C2
4	4C6a	15	3C4
5	3C1	16	3C2
6	3C2	17	4C6a
7	3C4	18	4N2b
8	4C6a	19	4C2
9	4C6b	20	4C6a
10	4C2	21	3C1
11	3N2b		

Arithmetic – Set 3 – Test 1

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	337	1m	
2	54	1m	
3	18	1m	
4	3	1m	
5	484	1m	
6	823	1m	
7	41	1m	
8	99	1m	
9	0	1m	
10	4,699	1m	
11	3,221	1m	
12	6	1m	
13	207	1m	
14	7,734	1m	
15	24	1m	
16	172	1m	
17	42	1m	
18	7,421	1m	
19	9,457	1m	
20	8	1m	
21	3,662	1m	

1

$$54 + 10 =$$



1 mark

2

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



1 mark

3

$$394 - 3 =$$



1 mark

4

$$665 + 50 =$$

--

1 mark

5

$8 \times 3 =$

1 mark

6

$$419 + 300 =$$

--	--

1 mark

7

$$841 + 9 =$$

--

1 mark

8

$$300 - 10 =$$

--

1 mark

9

$$342 - 300 =$$

--

1 mark

10

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



1 mark

11

$$\frac{1}{5} \text{ of } 40 =$$



1 mark

12

$$4 \times 9 =$$



1 mark

13

$$4,321 + 4,176 =$$



1 mark

14

$$8,576 - 4,132 =$$



1 mark

15

$$96 \div 8 =$$



1 mark

16

$$\frac{3}{9} + \frac{4}{9} =$$



1 mark

17

$$6,421 - 2,000 =$$



1 mark

18

$$3,642 - 1,531 =$$



1 mark

19

$$764 + 300 =$$



1 mark

20

$$99 \div 11 =$$



1 mark

21

$$\boxed{} = \frac{2}{5} + \frac{1}{5}$$



1 mark

Arithmetic – Set 3 – Test 2

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	12	4C6a
2	3F1b	13	4C2
3	3C1	14	4C2
4	4C6a	15	4C6a
5	3C1	16	4F4
6	3N2b	17	4N2b
7	3C4	18	4C2
8	3C4	19	3C1
9	4N2b	20	4C6a
10	4F4	21	4F4
11	3F1b		

Arithmetic – Set 3 – Test 2

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	64	1m	
2	20	1m	
3	391	1m	
4	715	1m	
5	24	1m	
6	719	1m	
7	850	1m	
8	290	1m	
9	42	1m	
10	$\frac{5}{7}$	1m	
11	8	1m	
12	36	1m	
13	8497	1m	
14	4444	1m	
15	12	1m	
16	$\frac{7}{9}$	1m	
17	4421	1m	
18	2111	1m	
19	1064	1m	
20	9	1m	
21	$\frac{3}{5}$	1m	

1

$$12 \times 9 =$$



1 mark

2

$$47 \times 0 =$$



1 mark

3

$$\frac{9}{10} - \frac{4}{10} =$$



1 mark

4

$$32 \div 4 =$$



1 mark

5

$$5,642 + 3,271 =$$



1 mark

6

$$\frac{1}{5} \text{ of } 60 =$$



1 mark

7

$$43 - \boxed{} = 31$$



1 mark

8

$$\frac{7}{12} - \frac{3}{12} =$$



1 mark

9

$$9 \times 5 =$$



1 mark

10

$$4,545 + 1,000 =$$



1 mark

11

$$769 + 50 =$$



1 mark

12

$$3,648 + 2,431 =$$



1 mark

13

$$\boxed{} + 279 = 846$$



1 mark

14

$$6,987 - 3,124 =$$



1 mark

15

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



1 mark

16

$$\boxed{} - 215 = 890$$



1 mark

17

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



1 mark

18

$$3,796 + 300 =$$



1 mark

19

$$\boxed{} = 5,106 + 1,000$$



1 mark

20

$$27 \div 1 =$$



1 mark

21

$$\frac{24}{25} - \frac{16}{25} =$$



1 mark

Arithmetic – Set 3 – Test 3

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6a	12	4C2
2	4C6b	13	3C4
3	4F4	14	4C2
4	4C6a	15	4F4
5	4C2	16	3C4
6	3F1b	17	3F1b
7	4N2b	18	3N2b
8	4F4	19	4N2b
9	4C6a	20	4C6b
10	3N2b	21	4F4
11	3C1		

Arithmetic – Set 3 – Test 3

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	108	1m	
2	0	1m	
3	$\frac{5}{10}$	1m	
4	8	1m	
5	8,913	1m	
6	12	1m	
7	12	1m	
8	$\frac{4}{12}$	1m	
9	45	1m	
10	5,545	1m	
11	819	1m	
12	6,079	1m	
13	567	1m	
14	3,863	1m	
15	$\frac{6}{7}$	1m	
16	1105	1m	
17	14	1m	
18	4,096	1m	
19	6,106	1m	
20	27	1m	
21	$\frac{8}{25}$	1m	

1

$$\frac{2}{6} + \frac{3}{6} =$$



1 mark

2

$$976 - 100 =$$



1 mark

3

$$25 \div 1 =$$



1 mark

4

$$\frac{9}{13} - \frac{2}{13} =$$



1 mark

5

$$4,360 + 600 =$$



1 mark

6

$$4 \times 6 =$$



1 mark

7

$$72 \div 9 =$$



1 mark

8

$$\frac{2}{3} \text{ of } 33 =$$



1 mark

9

$$6,371 - 5,146 =$$



1 mark

10

$$8 \times 9 =$$



1 mark

11

$$8,564 + 2,306$$



1 mark

12

$$998 + 7 =$$



1 mark

13

$$90 \div 9 =$$



1 mark

14

$$3,896 + 7 =$$



1 mark

15

$$\frac{9}{14} - \frac{1}{14} =$$



1 mark

16

$$794 + \boxed{} = 874$$



1 mark

17

$$7,490 - 3000 =$$



1 mark

18

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



1 mark

19

$$\frac{7}{20} + \frac{4}{20} =$$



1 mark

20

$$5,206 + 4,303 =$$



1 mark

21

$$4,360 - \boxed{} = 3,860$$



1 mark

22

$$36 \div 6 =$$



1 mark

23

$$\frac{1}{5} \text{ of } 65 =$$



1 mark

24

$$8,642 - 5,461 =$$



1 mark

Arithmetic – Set 3 – Test 4

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4F4	13	4C6a
2	3N2b	14	4C2
3	4C6b	15	4F4
4	4F4	16	3C4
5	3N2b	17	4N2b
6	4C6a	18	3F1b
7	4C6a	19	4F4
8	3F1b	20	4C2
9	4C2	21	3C4
10	4C6a	22	4C6a
11	4C2	23	3F1b
12	3C1	24	4C2

Arithmetic – Set 3 – Test 4

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	$\frac{5}{6}$	1m	
2	876	1m	
3	25	1m	
4	$\frac{7}{13}$	1m	
5	4,960	1m	
6	24	1m	
7	8	1m	
8	22	1m	
9	1,225	1m	
10	72	1m	
11	10,870	1m	
12	1,005	1m	
13	10	1m	
14	3,903	1m	
15	$\frac{8}{14}$	1m	
16	80	1m	
17	4,490	1m	
18	3	1m	
19	$\frac{11}{20}$	1m	
20	9,509	1m	
21	500	1m	
22	6	1m	
23	13	1m	
24	3,181	1m	

1

$$3 \times 9 =$$



1 mark

2

$$\frac{9}{11} - \frac{2}{11} =$$



1 mark

3

$$640 + 400 =$$



1 mark

4

$$754 - 6 =$$



1 mark

5

$$81 \div 9 =$$



1 mark

6

$$\frac{3}{4} \text{ of } 40 =$$



1 mark

7

$$65,712 + 1,000 =$$



1 mark

8

$$\frac{4}{9} + \frac{1}{9} =$$



1 mark

9

$$6,656 - 3,718 =$$



1 mark

10

$$54 \div 9 =$$



1 mark

11

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



1 mark

12

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



1 mark

13

$$872 + \boxed{} = 1,172$$



1 mark

14

$$6,564 - 3,456 =$$



1 mark

15

$$2,746 + 1,435 =$$



1 mark

16

$$\frac{13}{16} - \frac{8}{16} =$$



1 mark

17

$$\boxed{} - 600 = 900$$



1 mark

18

$$27,540 + 1,000 =$$



1 mark

19

$$18 \times 0 =$$



1 mark

20

$$719 + 600 =$$



1 mark

21

$$3,269 + 2,841 =$$



1 mark

22

$$854 - 70 =$$



1 mark

23

$$\boxed{} + 30 = 2,463$$



1 mark

24

$$18,465 + 1,000 =$$



1 mark

Arithmetic – Set 3 – Test 5

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6a	13	3C4
2	4F4	14	4C2
3	3C1	15	4C2
4	3C1	16	4F4
5	4C6a	17	3C4
6	3F1b	18	4N2b
7	4N2b	19	4C6b
8	4F4	20	3C1
9	4C2	21	4C2
10	4C6a	22	3C1
11	3F1b	23	3C4
12	4F4	24	4N2b

Arithmetic – Set 3 – Test 5

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	27	1m	
2	$\frac{7}{11}$	1m	
3	1,040	1m	
4	748	1m	
5	9	1m	
6	30	1m	
7	66,712	1m	
8	$\frac{5}{9}$	1m	
9	2,938	1m	
10	6	1m	
11	40	1m	
12	$\frac{4}{5}$	1m	
13	300	1m	
14	3,108	1m	
15	4,181	1m	
16	$\frac{5}{16}$	1m	
17	1,500	1m	
18	28,540	1m	
19	0	1m	
20	1,319	1m	
21	6,110	1m	
22	784	1m	
23	2,433	1m	
24	19,465	1m	

1

$$36 \div 1 =$$



1 mark

2

$$6 \times 7 =$$



1 mark

3

$$13 \times 0 =$$



1 mark

4

$$347 + 60 =$$



1 mark

5

$$108 \div 9 =$$



1 mark

6

$$796 - 8 =$$



1 mark

7

$$17,342 - 1,000 =$$



1 mark

8

$$\frac{11}{12} - \frac{9}{12} =$$



1 mark

9

$$8,341 - 6,425 =$$



1 mark

10

$$\boxed{} + 500 = 1,235$$



1 mark

11

$$96 - \boxed{} = 41$$



1 mark

12

$$5 \times 7 =$$



1 mark

13

$$6,230 - 4,526 =$$



1 mark

14

$$21,500 - 1,000 =$$



1 mark

15

$$896 - \boxed{} = 450$$



1 mark

16

$$\frac{3}{4} \text{ of } 80 =$$



1 mark

17

$$11 \times 7 =$$



1 mark

18

$$8,967 + 12 =$$



1 mark

19

$$6,747 + 5,349 =$$



1 mark

20

$$12 \times 7 =$$



1 mark

21

$$2,569 + 7000 =$$



1 mark

22

$$1,095 - 1,000 =$$



1 mark

23

$$25 \times 1 =$$



1 mark

24

$$1,269 + 350 =$$



1 mark

Arithmetic – Set 3 – Test 6

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	13	4C2
2	4C6a	14	4N2b
3	4C6b	15	3C4
4	3C1	16	3F1b
5	4C6a	17	4C6a
6	3C1	18	4C2
7	4N2b	19	4C2
8	4F4	20	4C6a
9	4C2	21	4C2
10	3C4	22	4N2b
11	3C4	23	4C6b
12	4C6a	24	4C2

Arithmetic – Set 3 – Test 6

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	36	1m	
2	42	1m	
3	0	1m	
4	407	1m	
5	12	1m	
6	788	1m	
7	16,342	1m	
8	$\frac{2}{12}$	1m	
9	1,916	1m	
10	1,235	1m	
11	55	1m	
12	35	1m	
13	1,704	1m	
14	20,500	1m	
15	446	1m	
16	60	1m	
17	77	1m	
18	8,979	1m	
19	12,096	1m	
20	84	1m	
21	9,569	1m	
22	95	1m	
23	25	1m	
24	1,619	1m	