Arithmetic – Year 3 – Set 3

About this Resource:

A set of 6 arithmetic tests for Year 3 Spring 1, 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: (3F1c) Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators

Arithmetic – Year 3 – Set 3

Differentiation:

Beginner Finding half of a number. Multiplying by 4. Two-digit number add a two-digit number (no bridging). 18 questions. Aimed at Year 3 Secure (week 13).
Easy Finding half and quarter of a number. Multiplying and dividing by 4. Two-digit number add a two-digit number (one bridge). Two-digit number subtract a two-digit number (no bridging). 18 questions. Aimed at Year 3 Secure (week 14).
Tricky Finding half, quarter and third of a number. Multiplying and dividing by 4. Three-digit number add a three-digit number (no bridging). Two-digit number subtract a two-digit number (one bridge). 18 questions. Aimed at Year 3 Secure (week 15).
Expert Finding third and three-quarters of a number. Multiplying and dividing by 4. Three-digit number add a three-digit number (one bridge). Three-digit number subtract a three-digit number (no bridging). 21 questions. Aimed at Year 3 Secure (week 16).
Brainbox Finding two-thirds and three-quarters of a number. Multiplying and dividing by 4. Three-digit number add a three-digit number (more than one bridge). Three-digit number subtract a three-digit number (one bridge). 21 questions. Aimed at Year 3 Secure (week 17).
Genius Finding two-thirds, three-quarters and fifth of a number. Multiplying by 8. Three-digit number add a three-digit number (more than one bridge). Three-digit number subtract a three-digit number (more than one bridge). 21 questions. Aimed at Year 3 Secure (week 18).

More Arithmetic Resources.

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

Arithmetic – Set 3 – Test 1

1 $10 \times 4 =$

1 mark

2 $\frac{1}{2}$ of 80 =

1 mark

3 $14 + 12 =$

1 mark

4 $15 \div 3 =$

1 mark

5 $8 \times 4 =$

1 mark

6 $205 - 100 =$

1 mark

7 $6 \times 10 =$

1 mark

8 $\frac{1}{2}$ of 14 =

1 mark

9 $28 - 10 =$

1 mark

10 $28 + 11 =$

1 mark

11 $45 - 32 =$

1 mark

12 $4 \times 9 =$

1 mark

13 396 – 1 =

1 mark

14 34 + 23 =

1 mark

15 23 + 10 =

1 mark

16 ☐ + 17 = 40

1 mark

17 356 + 200 =

1 mark

18 $\frac{1}{2}$ of 50 =

1 mark

Arithmetic – Set 3 – Test 1

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	2C6/3C6	10	2C2a
2	2F1a	11	2C2a
3	2C2a	12	3C6
4	3C6	13	3C1
5	3C6	14	2C2a
6	3C1	15	3N2b
7	2C6	16	3C4
8	2F1a	17	3C1
9	3N2b	18	2F1a

Arithmetic – Set 3 – Test 1

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	40	1m	
2	40	1m	
3	26	1m	
4	5	1m	
5	32	1m	
6	105	1m	
7	60	1m	
8	7	1m	
9	18	1m	
10	39	1m	
11	13	1m	
12	36	1m	
13	395	1m	
14	57	1m	
15	33	1m	
16	23	1m	
17	556	1m	
18	25	1m	

Arithmetic – Set 3 – Test 2

1 $12 \times 4 =$

1 mark

2 $\frac{1}{4}$ of $16 =$

1 mark

3 $24 + 37 =$

1 mark

4 $60 \div 10 =$

1 mark

5 $\square + 13 = 36$

1 mark

6 $165 + 100 =$

1 mark

7 $48 - 23 =$

1 mark

8 $\frac{1}{2}$ of $40 =$

1 mark

9 $48 + 34 =$

1 mark

10 $11 \times 4 =$

1 mark

11 $36 + 25 =$

1 mark

12 $56 - 21 =$

1 mark

13 $65 - \square = 35$

1 mark

14 $415 + 20 =$

1 mark

15 $260 + 200 =$

1 mark

16 $16 \div 4 =$

1 mark

17 $\frac{1}{4}$ of 48 =

1 mark

18 $356 - 20 =$

1 mark

Arithmetic – Set 3 – Test 2

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3C6	10	3C6
2	2F1a	11	2C2a
3	2C2a	12	2C2a
4	2C6	13	3C4
5	3C4	14	3C1
6	3C1/3N2b	15	3C1
7	2C2a	16	3C6
8	2F1a	17	2F1a
9	2C2a	18	3C1

Arithmetic – Set 3 – Test 2

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	48	1m	
2	4	1m	
3	61	1m	
4	6	1m	
5	23	1m	
6	265	1m	
7	25	1m	
8	20	1m	
9	82	1m	
10	44	1m	
11	61	1m	
12	35	1m	
13	30	1m	
14	435	1m	
15	460	1m	
16	4	1m	
17	12	1m	
18	336	1m	

Arithmetic – Set 3 – Test 3

1

$\frac{1}{2}$ of 60 =

1 mark

2

6 x 4 =

1 mark

3

60 ÷ 5 =

1 mark

4 $3 \times 9 =$

1 mark

5 $\square - 100 = 367$

1 mark

6 $\frac{1}{3}$ of 9 =

1 mark

7 $56 - 38 =$

1 mark

8 $46 - 27 =$

1 mark

9 $290 + 4 =$

1 mark

10 $12 \div 4 =$

1 mark

11 $243 + 135 =$

1 mark

12 $\frac{1}{3}$ of 30 =

1 mark

13 $7 \times 4 =$

1 mark

14 $20 \div 4 =$

1 mark

15 $35 + \square = 45$

1 mark

16 $312 + 10 =$

1 mark

17 $214 + 123 =$

1 mark

18 $84 - 35 =$

1 mark

Arithmetic – Set 3 – Test 3

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	2F1a	10	3C6
2	3C6	11	3C2
3	2C6	12	2F1a
4	3C6	13	3C6
5	3C1/3C4	14	3C6
6	2F1a	15	3C1/3C4
7	2C2a	16	3C1/3N2b
8	2C2a	17	3C2
9	3C1	18	2C2a

Arithmetic – Set 3 – Test 3

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	30	1m	
2	24	1m	
3	12	1m	
4	27	1m	
5	467	1m	
6	3	1m	
7	18	1m	
8	19	1m	
9	294	1m	
10	3	1m	
11	378	1m	
12	10	1m	
13	28	1m	
14	5	1m	
15	10	1m	
16	322	1m	
17	337	1m	
18	49	1m	

Arithmetic – Set 3 – Test 4

1 $24 \div 4 =$

1 mark

2 $\frac{1}{3}$ of 24 =

1 mark

3 $\square + 18 = 25$

1 mark

4 $12 \times 3 =$

1 mark

5 $350 - 40 =$

1 mark

6 $\frac{3}{4}$ of 20 =

1 mark

7 $36 + 21 =$

1 mark

8 $365 - 213 =$

1 mark

9 $30 \div 3 =$

1 mark

10 $\frac{1}{3}$ of 18 =

1 mark

11 19 – 13 =

1 mark

12 463 + 251 =

1 mark

13 ☐ = 349 + 5

1 mark

14 5 x 4 =

1 mark

15 213 – 10 =

1 mark

16 386 – 142 =

1 mark

17 80 ÷ 10 =

1 mark

18 ☐ – 10 = 365

1 mark

19 $527 + 134 =$

1 mark

20 $431 - 200 =$

1 mark

21 $\frac{3}{4}$ of 40 =

1 mark

Arithmetic – Set 3 – Test 4

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3C6	12	3C2
2	2F1a	13	3C1
3	3C4	14	3C6
4	3C6	15	3C1/3N2b
5	3C1	16	3C2
6	2F1a	17	2C6
7	2C2a	18	3C1/3C4
8	3C2	19	3C2
9	3C6	20	3C1
10	2F1a	21	2F1a
11	2C2a		

Arithmetic – Set 3 – Test 4

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	6	1m	
2	8	1m	
3	7	1m	
4	36	1m	
5	310	1m	
6	15	1m	
7	57	1m	
8	152	1m	
9	10	1m	
10	6	1m	
11	6	1m	
12	714	1m	
13	354	1m	
14	20	1m	
15	203	1m	
16	244	1m	
17	8	1m	
18	375	1m	
19	661	1m	
20	231	1m	
21	30	1m	

Arithmetic – Set 3 – Test 5

1 456 + 30 =

1 mark

2 76 – 20 =

1 mark

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

1 mark

4 $14 \times 10 =$

1 mark

5 $396 + 7 =$

1 mark

6 $565 - 132 =$

1 mark

7 $721 - 6 =$

1 mark

8 $30 \div 3 =$

1 mark

9 $\frac{2}{3}$ of 30 =

1 mark

10 $40 \div 4 =$

1 mark

11 $\square + 19 = 37$

1 mark

12 $456 + 265 =$

1 mark

13 $46 - \square = 18$

1 mark

14 $3 \times 5 =$

1 mark

15 $\frac{3}{4}$ of 60 =

1 mark

16 784 – 342 =

1 mark

17 246 + 18 =

1 mark

18 9 x 4 =

1 mark

19 $349 + 272 =$

1 mark

20 $253 + 100 =$

1 mark

21 $\square = 46 - 28$

1 mark

Arithmetic – Set 3 – Test 5

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3C1	12	3C2
2	2C2a	13	3C4
3	3F1c	14	2C6
4	2C6	15	2F1a
5	3C1	16	3C2
6	3C2	17	3C2
7	3C1	18	3C6
8	3C6	19	3C2
9	3F1c	20	3C1/3N2b
10	3C6	21	2C2a
11	3C4		

Arithmetic – Set 3 – Test 5

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	486	1m	
2	56	1m	
3	18	1m	
4	140	1m	
5	403	1m	
6	433	1m	
7	715	1m	
8	10	1m	
9	20	1m	
10	10	1m	
11	18	1m	
12	721	1m	
13	28	1m	
14	15	1m	
15	45	1m	
16	442	1m	
17	264	1m	
18	36	1m	
19	621	1m	
20	353	1m	
21	18	1m	

Arithmetic – Set 3 – Test 6

1 $3 \times 8 =$

1 mark

2 $\frac{3}{4}$ of 16 =

1 mark

3 $300 - 5 =$

1 mark

4 $\frac{1}{5}$ of 45 =

1 mark

5 612 + 50 =

1 mark

6 318 + 294 =

1 mark

7 ☐ + 34 = 74

1 mark

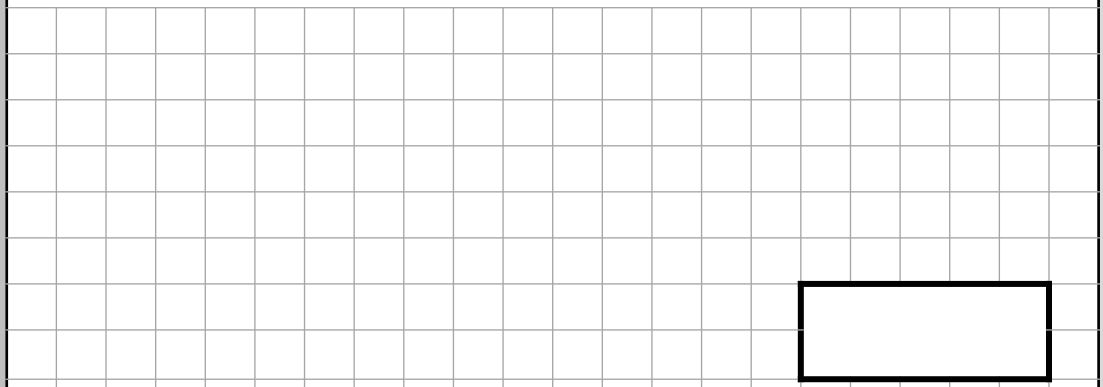
8 96 – ☐ = 46

1 mark

9 $\frac{1}{5}$ of 50 =

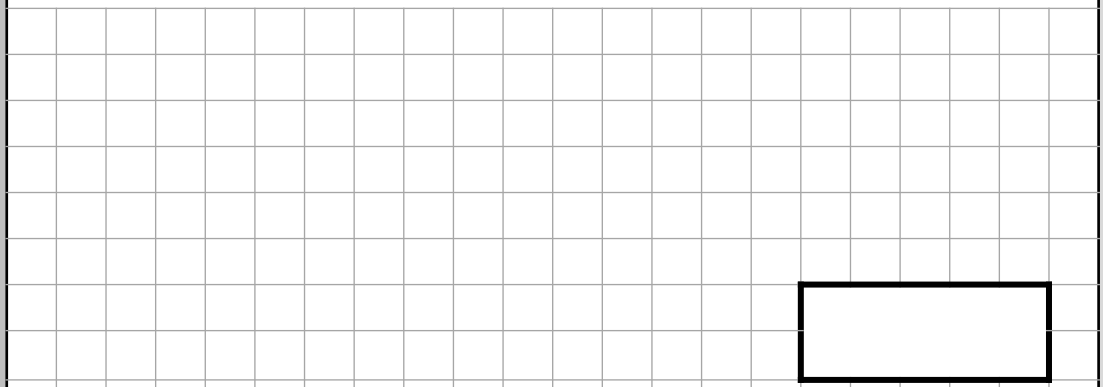
1 mark

10 352 – 171 =



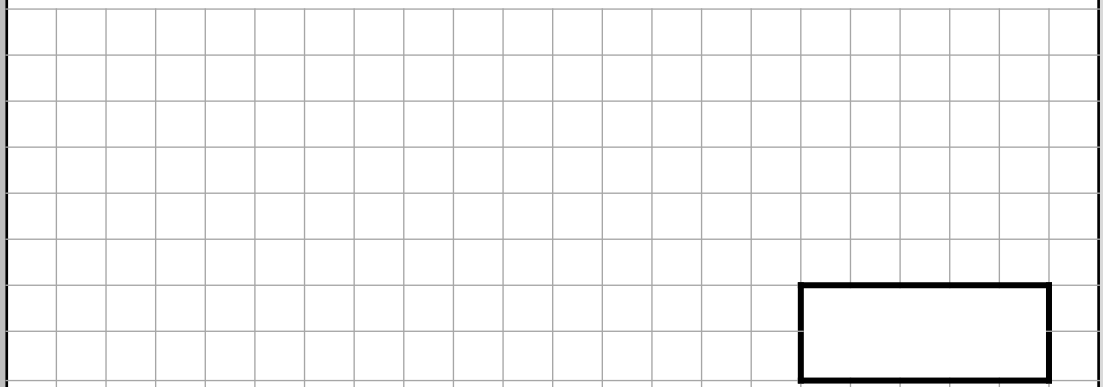
1 mark

11 455 + 200 =



1 mark

12 544 + 237 =



1 mark

13 $75 - 42 =$

1 mark

14 $\frac{2}{3}$ of 9 =

1 mark

15 $7 \times 8 =$

1 mark

16 761 – 474 =

1 mark

17 46 + 27 =

1 mark

18 9 x 8 =

1 mark

19 246 – 50 =

1 mark

20 100 ÷ 10 =

1 mark

21 340 – 80 =

1 mark

Arithmetic – Set 3 – Test 6

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	3C6	12	3C2
2	3F1c	13	2C2a
3	3C1	14	3F1c
4	3F1c	15	3C6
5	3C1	16	3C2
6	3C2	17	2C2
7	3C4	18	3C6
8	3C4/3C1	19	3C1
9	3F1c	20	2C6
10	3C2	21	3C1
11	3C1		

Arithmetic – Set 3 – Test 6

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	24	1m	
2	12	1m	
3	295	1m	
4	9	1m	
5	662	1m	
6	612	1m	
7	40	1m	
8	50	1m	
9	10	1m	
10	181	1m	
11	655	1m	
12	781	1m	
13	33	1m	
14	6	1m	
15	56	1m	
16	287	1m	
17	73	1m	
18	72	1m	
19	196	1m	
20	10	1m	
21	260	1m	