Arithmetic – Year 4 – Set 4

About this Resource:

A set of 6 arithmetic tests for Year 4 Spring 2, 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: (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 3: (3C2) Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
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 × 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: (4C7) Multiply two-digit and three-digit numbers by a one-digit number using formal written layout
Mathematics Year 4: (4F4) Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]
Mathematics Year 4: (4F8) Compare numbers with the same number of decimal places up to two decimal places
Mathematics Year 4: (4F9) Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths

More Arithmetic Resources.

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

Differentiation:

Beginner Multiplying by 7. Four-digit number add and subtract four-digit number (one bridge) Two-digit number multiplied by one-digit number. 24 questions. Aimed at Year 4 Secure (week 19).

Easy Multiplying by 7. Four-digit number add and subtract four-digit number (bridging) Two-digit number multiplied by one-digit number. Multiplying 3 digits together. Add fractions with the same denominator answers above one. 24 questions. Aimed at Year 4 Secure (week 20).

Tricky Multiplying by 7. Four-digit number add three-digit number. Two-digit number multiplied by one-digit number. Add and subtract fractions with the same denominator answers above one. Multiplying 3 digits together. 24 questions. Aimed at Year 4 Secure (week 21).

Expert Multiply and divide by 7. Four-digit number subtract three-digit number. Four-digit number add two-digit number. Two-digit number multiplied by one-digit number. Add and subtract fractions with the same denominator answers above one. Multiplying 3 digits together. 24 questions. 27 questions. Aimed at Year 4 Secure (week 22).

Brainbox Multiply and divide by 7. Four-digit number subtract three-digit number. Four-digit number add and subtract two-digit number. Two-digit number multiplied by one-digit number. Add and subtract fractions with the same denominator answers above one. One-digit number divided by 10. Multiplying 3 digits together. 27 questions. Aimed at Year 4 Secure (week 23).

Genius Multiply and divide by 7. Multiplying by 12. Four-digit number subtract three-digit number. Four-digit number add and subtract two-digit number. Two-digit number multiplied by one-digit number. Add and subtract fractions with the same denominator answers above one. Two-digit number divided by 10. Whole numbers add decimal numbers. Multiplying 3 digits together. 27 questions. Aimed at Year 4 Secure (week 24).

1

4 x 7 =

2

70 ÷ 10 =

3

36 x 4 =

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4

400 + 175 =

1 mark

5

6,321 + 3,284 =

1 mark

6

642 – 200 =

1 mark

classroomsecrets.com

7

796 + 80 =

1 mark

8

5 x 5 x 2 =

1 mark

9

☐ − 475 = 300

1 mark

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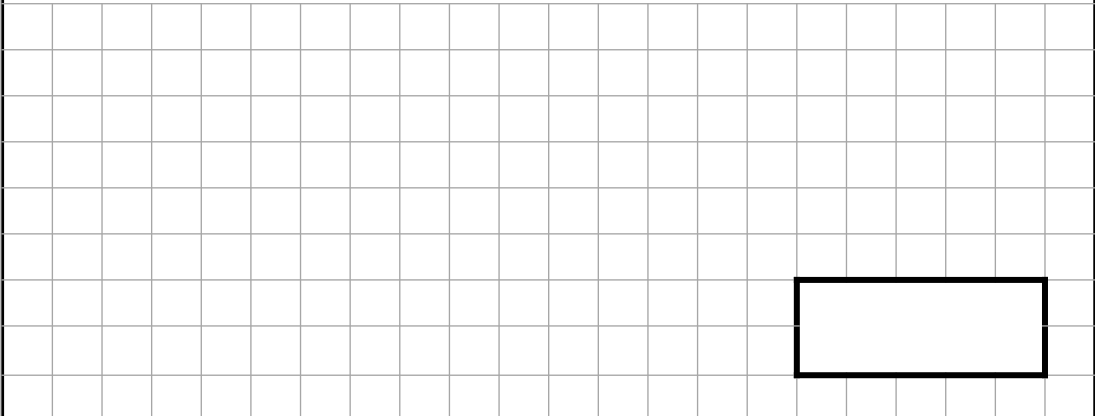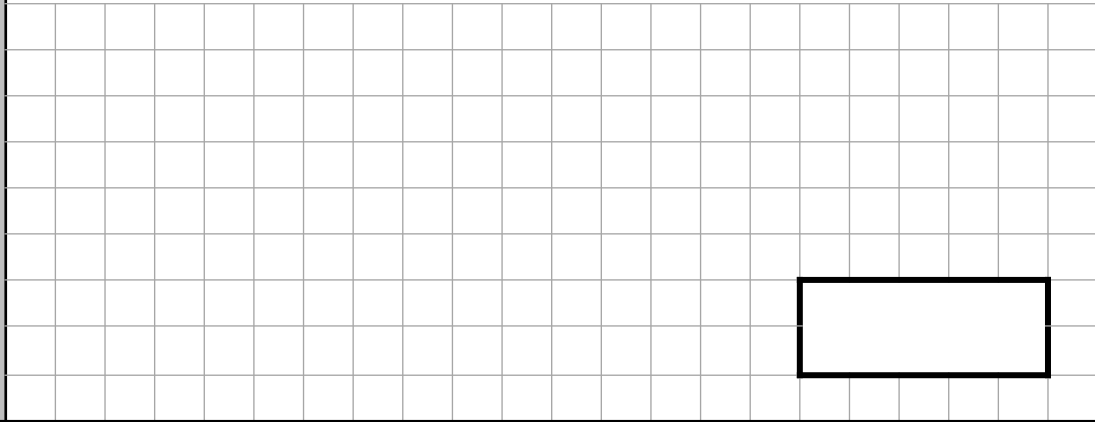
10

$47 \div 1 =$

1 mark

11

$6 \times 7 =$

1 mark

12

$25 + 1,000 =$

1 mark

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Year 4 – Set 4 – Test 1 – Page 4
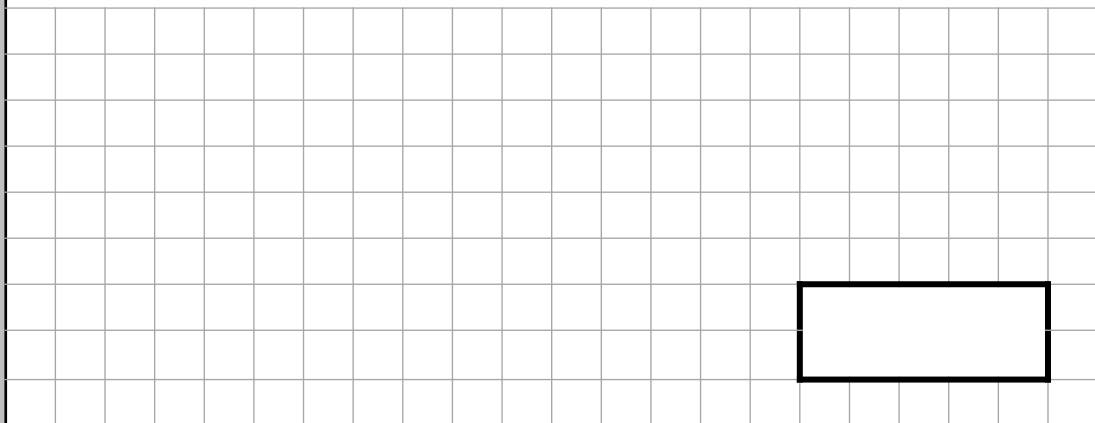
13
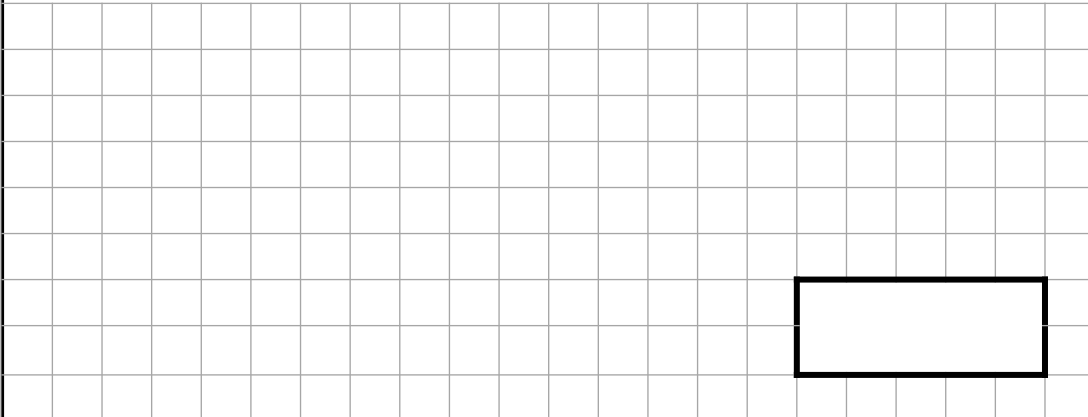
80 ÷ 10 =

1 mark

14

846 + 60 =

1 mark

15

789 + 1,000 =

1 mark

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Year 4 – Set 4 – Test 1 – Page 5

16

3,465 + 2,831 =

1 mark

17

987 – ☐ = 975

1 mark

18

325 – 50 =

1 mark

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Year 4 – Set 4 – Test 1 – Page 6

19

9 x 7 =

1 mark

20

54 x 5 =

1 mark

21

8,321 – 6,270 =

1 mark

22

790 – 150 =

1 mark

23

$\frac{3}{4}$ of 200 =

1 mark

24

2,461 + 3,487 =

1 mark

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Arithmetic – Set 4 – Test 1

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6a	13	4C6a
2	4C6a	14	3C1
3	4C7	15	4N2b
4	3C2	16	4C2
5	4C2	17	3C4
6	3C1	18	3C2
7	3C1	19	4C6a
8	4C6b	20	4C7
9	3C4	21	4C2
10	4C6b	22	3C2
11	4C6a	23	3F1b
12	4N2b	24	4C2

Arithmetic – Set 4 – Test 1

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	28	1m	
2	7	1m	
3	144	1m	
4	575	1m	
5	9,605	1m	
6	442	1m	
7	876	1m	
8	50	1m	
9	775	1m	
10	47	1m	
11	42	1m	
12	1,025	1m	
13	8	1m	
14	906	1m	
15	1,789	1m	
16	6,296	1m	
17	12	1m	
18	275	1m	
19	63	1m	
20	270	1m	
21	2,051	1m	
22	640	1m	
23	150	1m	
24	5,948	1m	

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Year 4 – Set 4 – Test 1 ANSWERS

1

26 x 1 =

1 mark

2

3 x 3 x 3 =

1 mark

3

3 x 7 =

1 mark

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4

$$\frac{2}{7} + \frac{6}{7} =$$

1 mark

5

3,476 + 2,549 =

1 mark

6

905 – ⬚ = 850

1 mark

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7

$63 \times 3 =$

1 mark

8

$\dfrac{3}{8} + \dfrac{6}{8} =$

1 mark

9

$120 \div 10 =$

1 mark

10

$7,654 - 3,826 =$

1 mark

11

$\boxed{} + 125 = 250$

1 mark

12

$976 - 80 =$

1 mark

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13

3,196 + 1,000 =

1 mark

14

8 x 7 =

1 mark

15
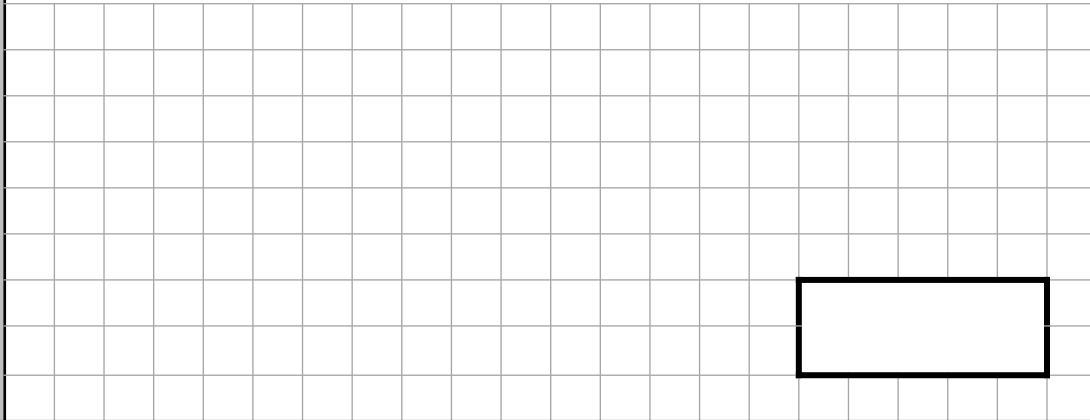
81 ÷ 9 =

1 mark

16

490 + 38 =

1 mark

17

6,350 – 1,000 =

1 mark

18

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

1 mark

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19

$79 \times 4 =$

1 mark

20

$1,796 + 3,450 =$

1 mark

21

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

1 mark

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22

309 – 140 =

1 mark

23

43 x 6 =

1 mark

24

9,876 – 2,489 =

1 mark

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Arithmetic – Set 4 – Test 2

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	13	4N2b
2	4C6b	14	4C6a
3	4C6a	15	4C6a
4	4F4	16	3C2
5	4C2	17	4N2b
6	3C4	18	3F1b
7	4C7	19	4C7
8	4F4	20	4C2
9	4C6a	21	3F1b
10	4C2	22	3C2
11	3C4	23	4C7
12	3C2	24	4C2

Arithmetic – Set 4 – Test 2

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	26	1m	
2	27	1m	
3	21	1m	
4	$\frac{8}{7}$	1m	Accept equivalent fractions including mixed numbers.
5	6,025	1m	
6	55	1m	
7	189	1m	
8	$\frac{9}{8}$	1m	Accept equivalent fractions including mixed numbers.
9	12	1m	
10	3,828	1m	
11	125	1m	
12	896	1m	
13	4,196	1m	
14	56	1m	
15	9	1m	
16	528	1m	
17	5,350	1m	
18	7	1m	
19	316	1m	
20	5,246	1m	
21	20	1m	
22	169	1m	
23	258	1m	
24	7,387	1m	

1

$39 \div 1 =$

1 mark

2

$2 \times 7 =$

1 mark

3

$4 \times 3 \times 2 =$

1 mark

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4

44 ÷ 4 =

1 mark

5

736 + 84 =

1 mark

6

3,491 + 1,000 =

1 mark

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7

$$\boxed{} + 90 = 550$$

1 mark

8

$$246 - 56 =$$

1 mark

9

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

1 mark

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10

$$\frac{9}{7} - \frac{2}{7} =$$

1 mark

11

7 x 11 =

1 mark

12

☐ − 250 = 200

1 mark

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Year 4 – Set 4 – Test 3 – Page 4

13

28 x 4 =

1 mark

14

246 – 106 =

1 mark

15

3,216 + 474 =

1 mark

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16

$8,496 - 3,521 =$

1 mark

17

$\dfrac{13}{9} - \dfrac{5}{9} =$

1 mark

18

$5 \times 6 =$

1 mark

19

33 x 7 =

1 mark

20

105 + 240 =

1 mark

21

7,983 + 450 =

1 mark

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22

46 x 0 =

1 mark

23

8,936 – 1,847 =

1 mark

24

896 – 100 =

1 mark

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Arithmetic – Set 4 – Test 3

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	13	4C7
2	4C6a	14	3C2
3	4C6b	15	4C2
4	4C6a	16	4C2
5	3C2	17	4F4
6	4N2b	18	4C6b
7	3C4	19	4C7
8	3C2	20	3C2
9	3F1b	21	4C2
10	4F4	22	4C6a
11	4C6a	23	4C2
12	3C4	24	3N2b

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Year 4 – Set 4 – Test 3 ANSWERS

Arithmetic – Set 4 – Test 3
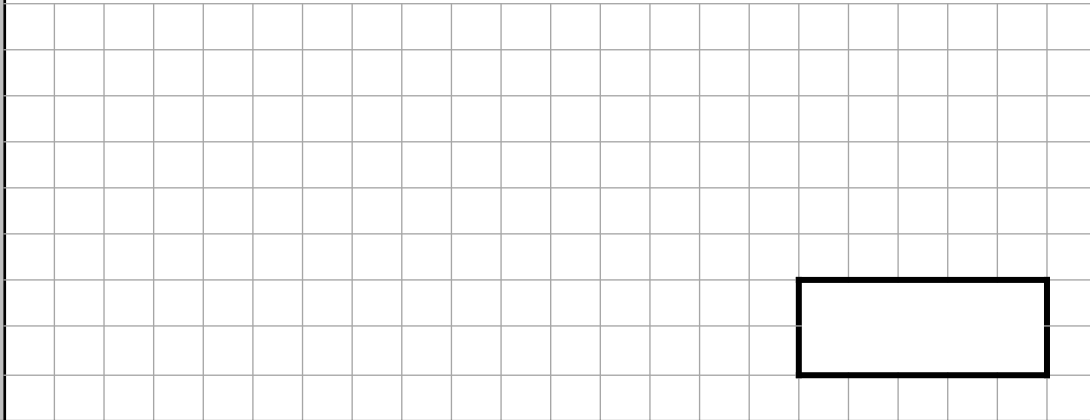
Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	39	1m	
2	14	1m	
3	24	1m	
4	11	1m	
5	820	1m	
6	4,491	1m	
7	460	1m	
8	190	1m	
9	10	1m	
10	$\frac{7}{7}$	1m	Accept equivalent fractions including whole numbers.
11	77	1m	
12	450	1m	
13	112	1m	
14	140	1m	
15	3,690	1m	
16	4,975	1m	
17	$\frac{8}{9}$	1m	Accept equivalent fractions.
18	30	1m	
19	231	1m	
20	345	1m	
21	8,433	1m	
22	0		
23	7,089		
24	796		

1 84 + 1,000 =

1 mark

2 96 ÷ 1 =

1 mark

3 8,976 − 485 =

1 mark
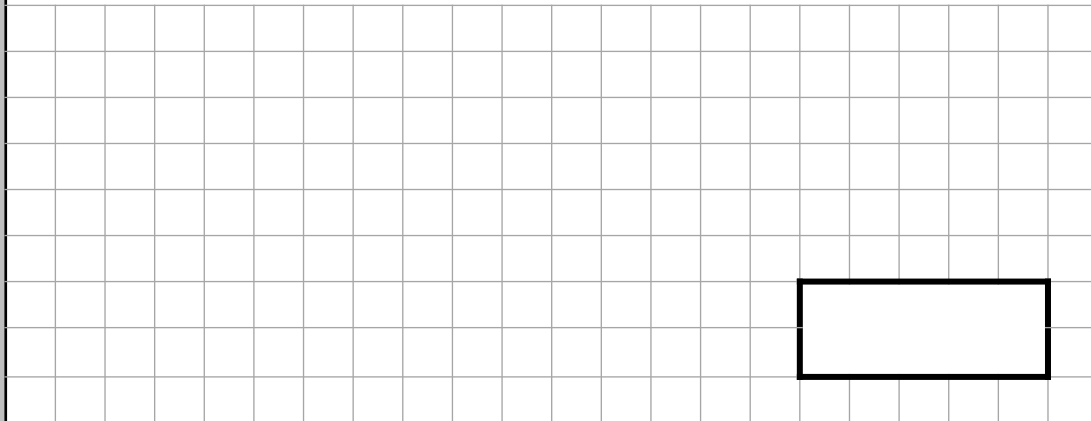
4 4 x 4 x 2 =
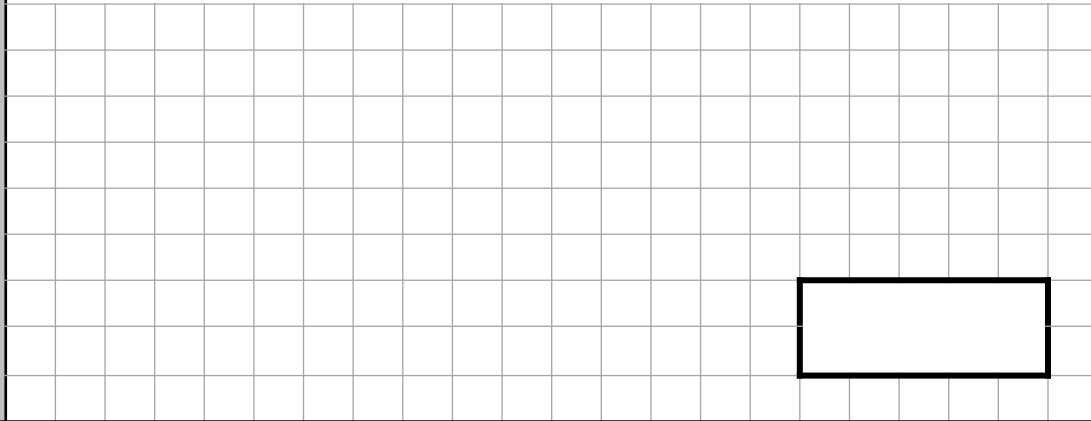
1 mark

5 21 ÷ 7 =

1 mark

6 3,495 + 84 =

1 mark

7

☐ + 110 = 495

1 mark

8

5 x 7 =

1 mark

9

☐ − 85 = 360

1 mark

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Year 4 – Set 4 – Test 4 – Page 3
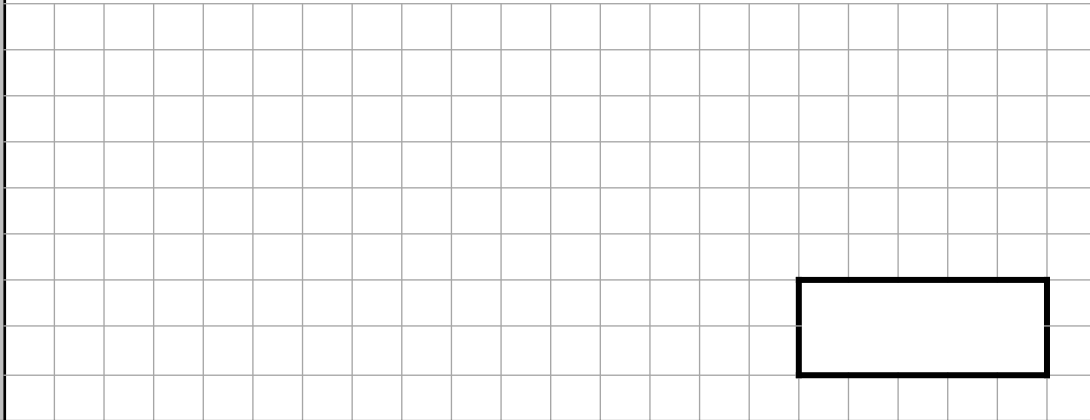
10

$$\frac{10}{14} - \frac{5}{14} =$$

1 mark

11
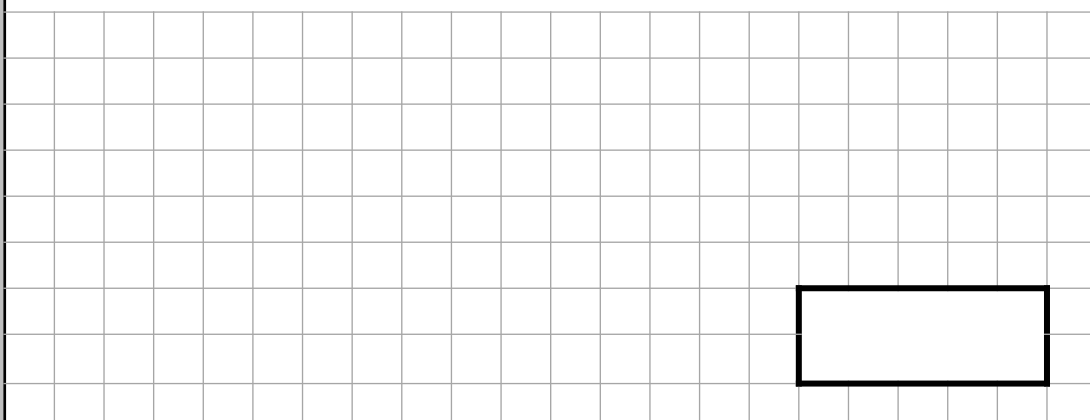
12 x 4 =

1 mark

12

695 – 100 =

1 mark

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13
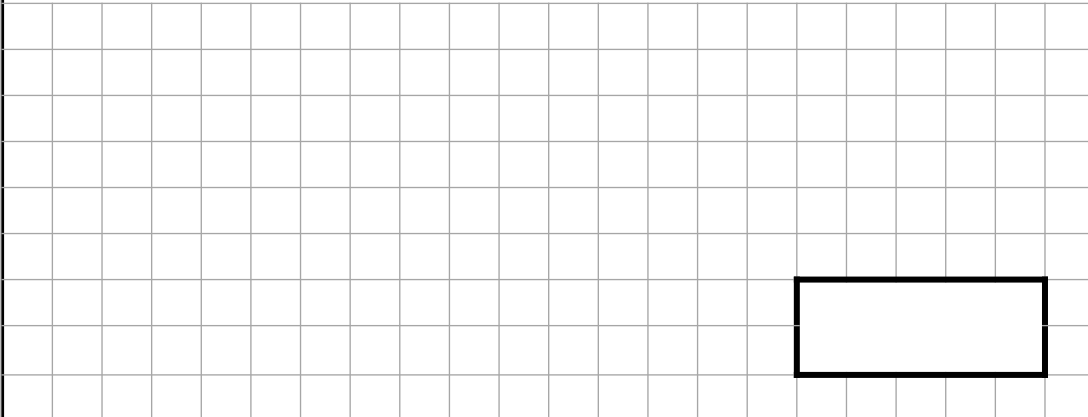
$49 \div 7 =$

1 mark

14
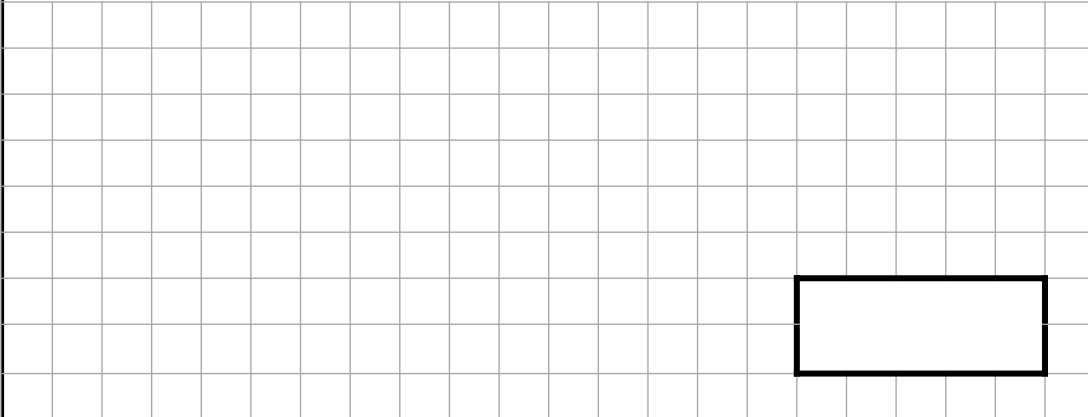
$34 \times 7 =$

1 mark

15

$8,914 + 96 =$

1 mark

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16

5,930 + 1,000 =

1 mark

17

7 x 6 =

1 mark

18

550 – 90 =

1 mark

19

7,413 + 1,596 =

1 mark

20

$\frac{1}{4}$ of 24 =

1 mark

21

63 x 5 =

1 mark

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22

2,345 + 800 =

1 mark

23

6,596 – 640 =

1 mark

24

4,321 – 500 =

1 mark

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Year 4 – Set 4 – Test 4 – Page 8

25

12 x 10 =

1 mark

26

496 + 250 =

1 mark

27

51 x 3 =

1 mark

Arithmetic – Set 4 – Test 4

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4N2b	15	4C2
2	4C6b	16	4N2b
3	4C2	17	4C6a
4	4C6b	18	3C2
5	4C6a	19	4C2
6	4C2	20	3F1b
7	3C4	21	4C7
8	4C6a	22	4C2
9	3C4	23	4C2
10	4F4	24	4C2
11	4C6a	25	4C6a
12	3N2b	26	3C2
13	4C6a	27	4C7
14	3N2b		

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	1,084	1m	
2	96	1m	
3	8,491	1m	
4	32	1m	
5	3	1m	
6	3,579	1m	
7	385	1m	
8	35	1m	
9	445	1m	
10	$\frac{5}{14}$	1m	Accept equivalent fractions.
11	48	1m	
12	595	1m	
13	7	1m	
14	238	1m	
15	9,010	1m	
16	6,930	1m	
17	42	1m	
18	460	1m	
19	9,009	1m	
20	6	1m	
21	315	1m	
22	3,145	1m	
23	5,956	1m	
24	3,821	1m	
25	120	1m	
26	746	1m	
27	153	1m	

1

21 x1 =

1 mark

2

5 ÷ 10 =

1 mark

3

4 x 4 x 2 =

1 mark

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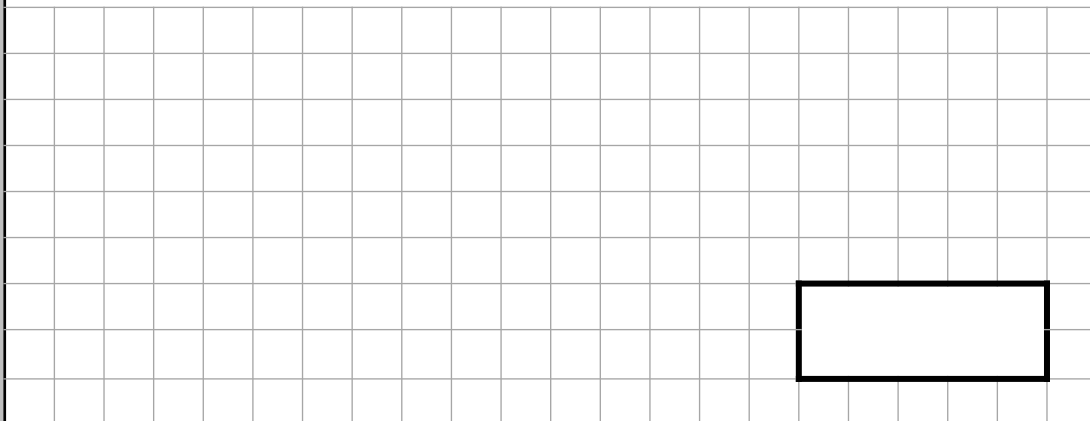
4

34 + 350 =

1 mark

5

6,930 − 1,000 =

1 mark

6

35 ÷ 7 =

1 mark

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Year 4 – Set 4 – Test 5 – Page 2

7

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

1 mark

8

3,795 – 99 =

1 mark

9

$$\frac{2}{3} \text{ of } 90 =$$

1 mark

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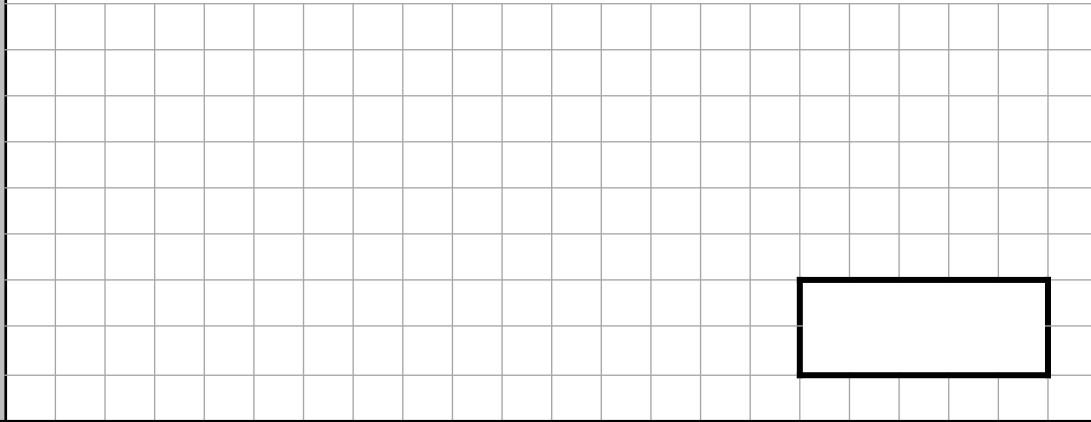
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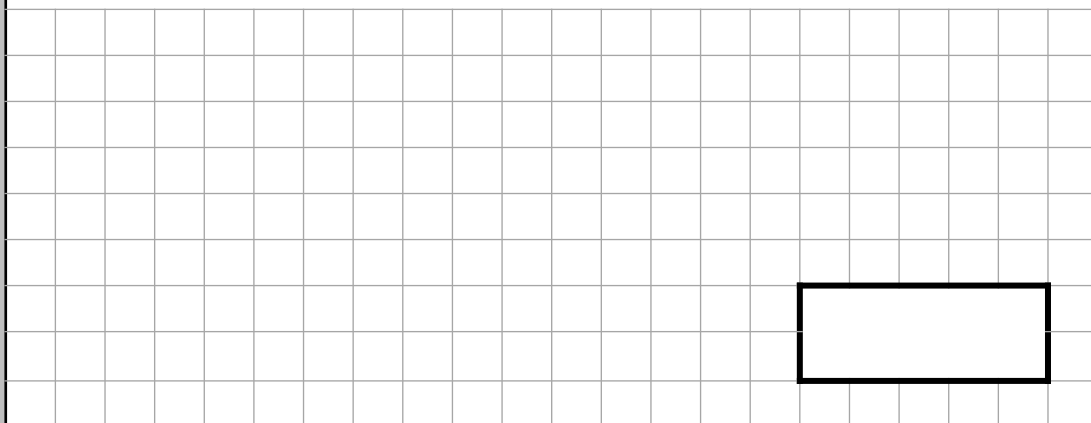
5,312 + 896 =

1 mark

11

24 x 7 =

1 mark

12

2,109 + 346 =

1 mark

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13

56 ÷ 7 =

1 mark

14
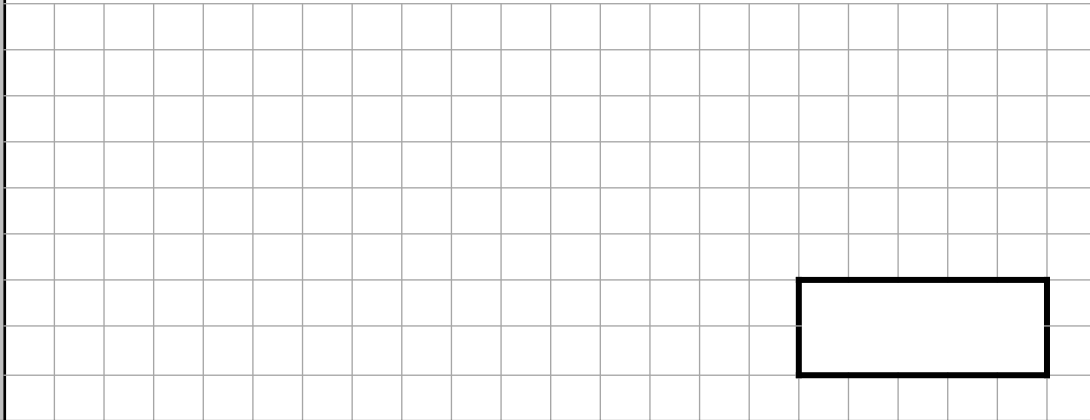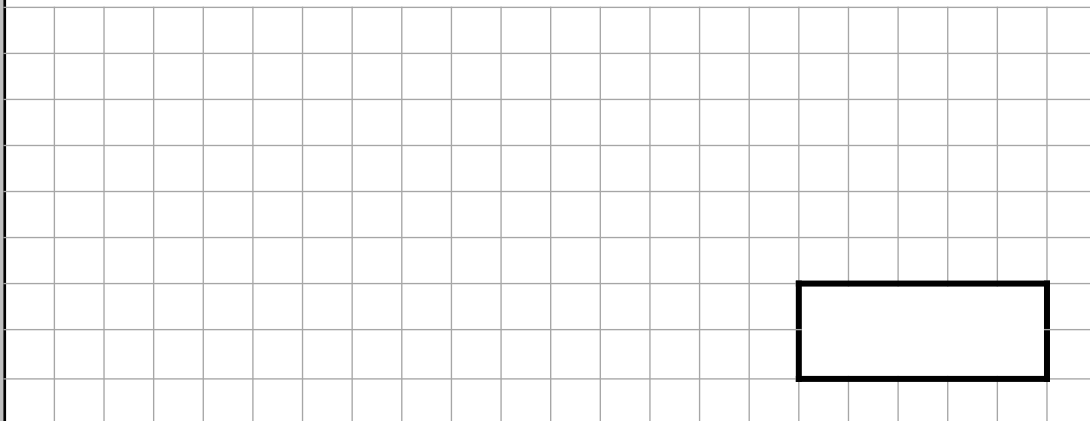
6 x 3 =

1 mark

15

831 + 2,500 =

1 mark

16

$9 \div 10 =$

1 mark

17

$6{,}531 - 879 =$

1 mark

18

$4{,}201 + 849 =$

1 mark

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19

$$\frac{13}{10} - \frac{2}{10} =$$

1 mark

20

7934 – 57 =

1 mark

21

☐ – 850 = 1050

1 mark

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22

$99 \div 11 =$

1 mark

23

$8,432 + 1,987 =$

1 mark

24

$\boxed{} + 500 = 1350$

1 mark

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25

84 x 4 =

1 mark

26

654 + 89 =

1 mark

27

9,764 – 35 =

1 mark

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<u>Arithmetic – Set 4 – Test 5</u>

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	15	4C2
2	4F9	16	4F9
3	4C6b	17	4C2
4	3C2	18	4C2
5	4N2b	19	4F4
6	4C6a	20	4C2
7	4F4	21	3C4
8	4C2	22	4C6a
9	3F1b	23	4C2
10	4C2	24	3C4
11	4C7	25	4C7
12	4C2	26	3C2
13	4C6a	27	4C2
14	4C6a		

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Year 4 – Set 4 – Test 5 ANSWERS

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	21	1m	
2	0.5	1m	
3	40	1m	
4	384	1m	
5	5,930	1m	
6	5	1m	
7	$\frac{11}{7}$	1m	Accept equivalent fractions including mixed numbers.
8	3,696	1m	
9	60	1m	
10	6,208	1m	
11	168	1m	
12	2,455	1m	
13	8	1m	
14	18	1m	
15	3,331	1m	
16	0.9	1m	
17	5,652	1m	
18	5,050	1m	
19	$\frac{11}{10}$	1m	Accept equivalent fractions including mixed numbers.
20	7,877	1m	
21	1,900	1m	
22	9	1m	
23	10,419	1m	
24	850	1m	
25	336	1m	
26	743	1m	
27	9,729	1m	

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Year 4 – Set 4 – Test 5 ANSWERS

1

2 x 12 =

1 mark

2

28 ÷ 10 =

1 mark

3

3,210 + 496 =

1 mark

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4

490 + 1,000 =

1 mark

5

3,769 – 842 =

1 mark

6

5 + 1.2 =

1 mark

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7
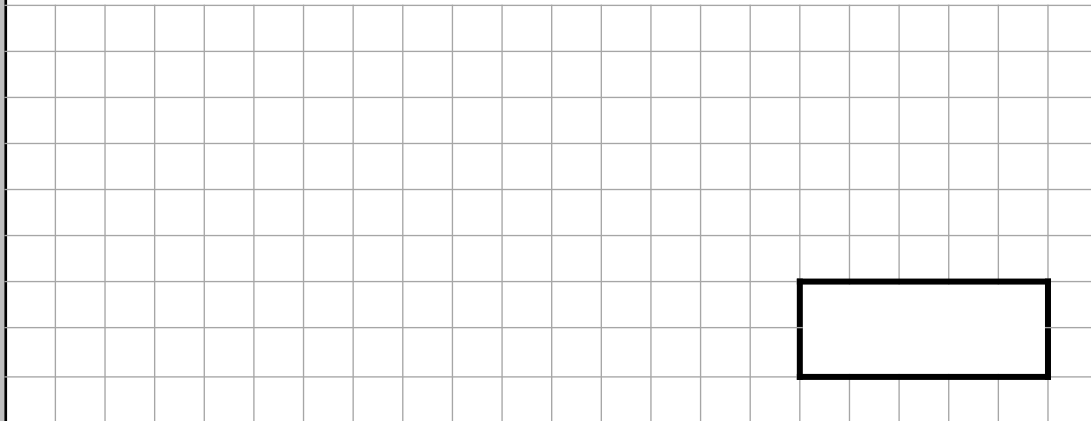
5,403 + 2,498 =

1 mark

8
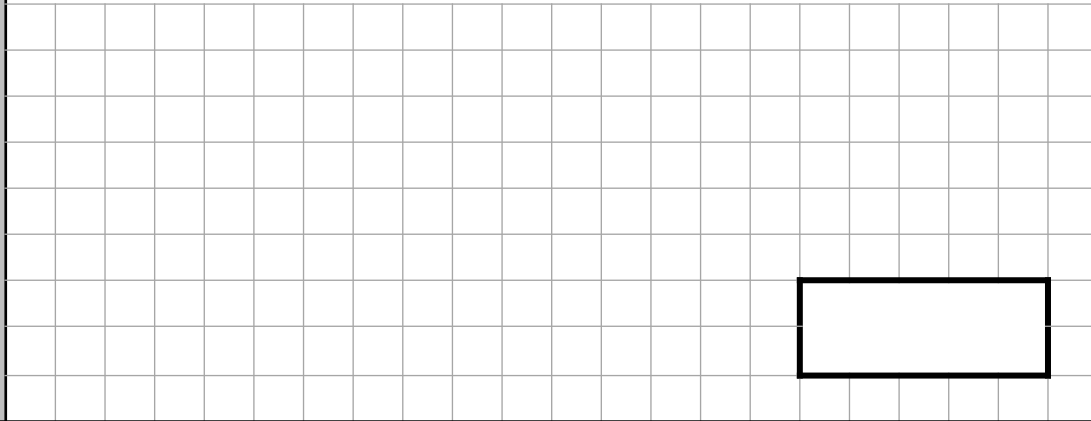
3,972 − 846 =

1 mark

9

63 ÷ 7 =

1 mark

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10

$42 \times 5 =$

1 mark

11

$$\frac{7}{9} - \frac{3}{9} =$$

1 mark

12

$\boxed{} + 275 = 500$

1 mark

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13
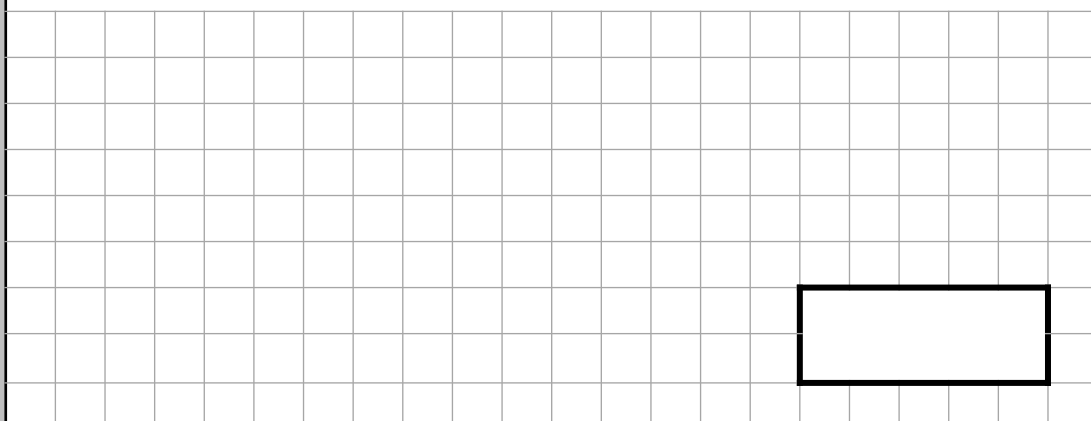
6 x 12 =

1 mark

14

☐ − 90 = 860

1 mark

15

13 ÷ 10 =

1 mark

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Year 4 – Set 4 – Test 6 – Page 5

16

3,721 + 89 =

1 mark

17

3 + 1.1 =

1 mark

18

4 x 12 =

1 mark

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19

$14 \div 7 =$

1 mark

20

$8 + 9.6 =$

1 mark

21

$\dfrac{4}{7} + \dfrac{5}{7} =$

1 mark

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Year 4 – Set 4 – Test 6 – Page 7

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22
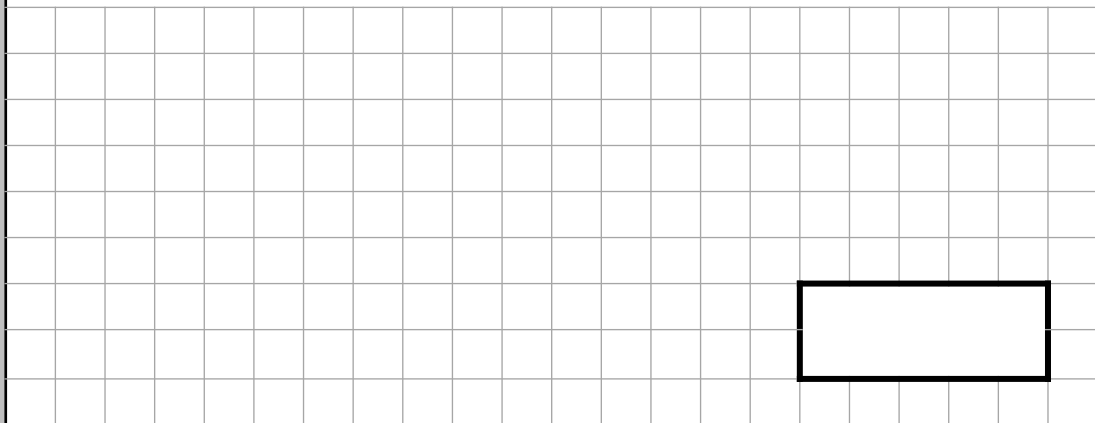
$8 \div 10 =$

1 mark

23
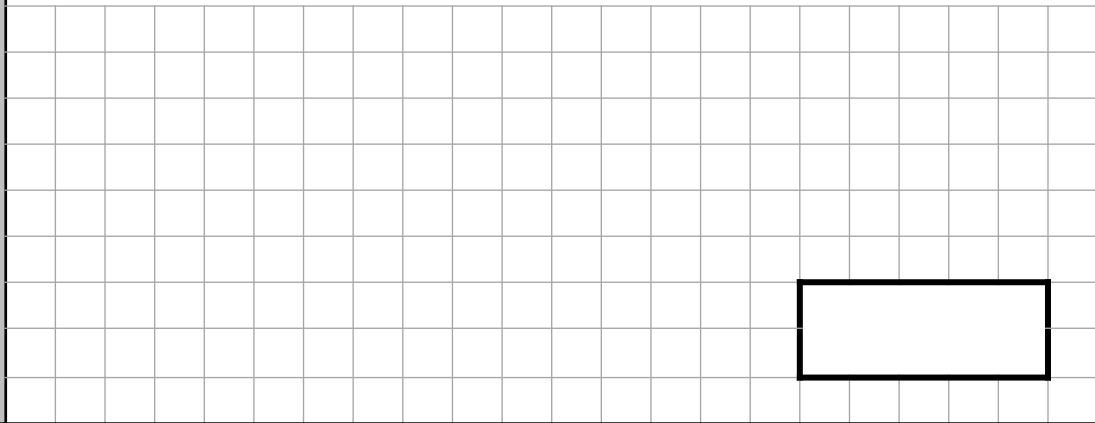
$3 \times 5 \times 5 =$

1 mark

24

$1,346 + 700 =$

1 mark

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25

$7 + 3.5 =$

1 mark

26

$3,985 - 99 =$

1 mark

27

$246 + 1,500 =$

1 mark

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Year 4 – Set 4 – Test 6 – Page 9

Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6a	15	4F9
2	4F9	16	4C2
3	4C2	17	4F8
4	4N2b	18	4C6a
5	4C2	19	4C6a
6	4F8	20	4F8
7	4C2	21	4F4
8	4C2	22	4F9
9	4C6a	23	4C6b
10	4C7	24	4C1
11	4F4	25	4F8
12	3C4	26	4C2
13	4C6a	27	4C1
14	3C4		

Arithmetic – Set 4 – Test 6

Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	24	1m	
2	2.8	1m	
3	3,706	1m	
4	1,490	1m	
5	2,927	1m	
6	6.2	1m	
7	7,901	1m	
8	3,126	1m	
9	9	1m	
10	210	1m	
11	$\frac{4}{9}$	1m	
12	225	1m	
13	72	1m	
14	950	1m	
15	1.3	1m	
16	3,810	1m	
17	4.1	1m	
18	48	1m	
19	2	1m	
20	17.6	1m	
21	$\frac{9}{7}$	1m	Accept equivalent fractions including mixed numbers.
22	0.8	1m	
23	75	1m	
24	2,046	1m	
25	10.5	1m	
26	3,886	1m	
27	1,746	1m	