

## About this Resource:

A set of 6 arithmetic tests for Year 5 Summer 2, building on prior mathematical knowledge.

## National Curriculum Objectives:

Mathematics Year 3: (3C4) [Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction](#)

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 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: (4C7) [Multiply two-digit and three-digit numbers by a one-digit number using formal written layout](#)

Mathematics Year 5: (5F4) [Add and subtract fractions with the same denominator](#)

Mathematics Year 5: (5C1) [Add and subtract numbers mentally with increasingly large numbers](#)

Mathematics Year 5: (5C5d) [Recognise and use square numbers and cube numbers, and the notation for squared \(2\) and cubed \(3\)](#)

Mathematics Year 5: (5C6b) [Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000](#)

Mathematics Year 5: (5C2) [Add and subtract whole numbers with more than 4 digits, including using formal written methods \(columnar addition and subtraction\)](#)

Mathematics Year 5: (5C7a) [Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers](#)

Mathematics Year 5: (5C6a) [Multiply and divide numbers mentally drawing upon known facts](#)

Mathematics Year 5: (5F10) [Solve problems involving number up to three decimal places](#)

Mathematics Year 5: (5C7b) [Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context](#)

Mathematics Year 5: (5F5) [Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams](#)

Mathematics Year 5: (5F6a) [Read and write decimal numbers as fractions \[for example,  \$0.71 = \frac{71}{100}\$ \]](#)

## Arithmetic – Year 5 – Set 6

### Differentiation:

- Beginner** Covering all year 5 arithmetic objectives. 36 questions. Aimed at Year 5 Secure (week 31).  
**Easy** Covering all year 5 arithmetic objectives. 36 questions. Aimed at Year 5 Secure (week 32).  
**Tricky** Covering all year 5 arithmetic objectives. 36 questions. Aimed at Year 5 Secure (week 33).  
**Expert** Covering all year 5 arithmetic objectives. 36 questions. Aimed at Year 5 Secure (week 34).  
**Brainbox** Covering all year 5 arithmetic objectives. 36 questions. Aimed at Year 5 Secure (week 35).  
**Genius** Covering all year 5 arithmetic objectives. 36 questions. Aimed at Year 5 Secure (week 36).

More [Arithmetic](#) Resources.

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

1

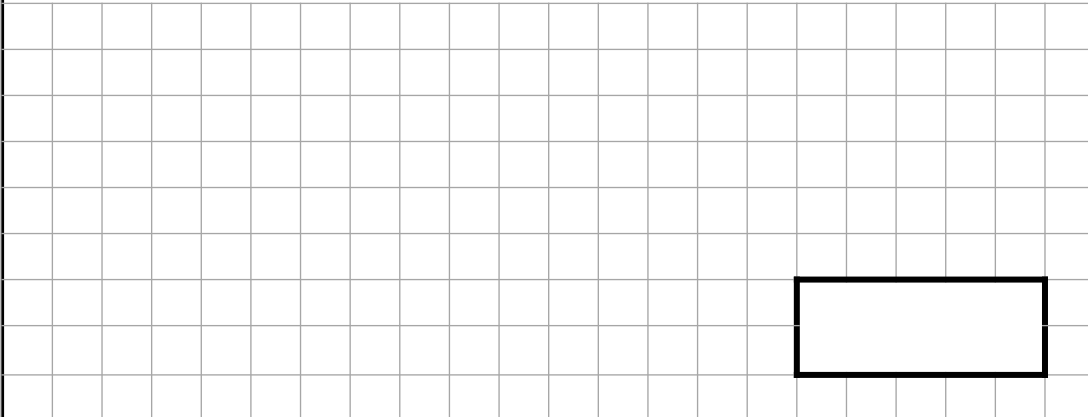
$$90 \times 0 =$$



1 mark

2

$$\frac{3}{4} + \frac{2}{8} =$$



1 mark

3

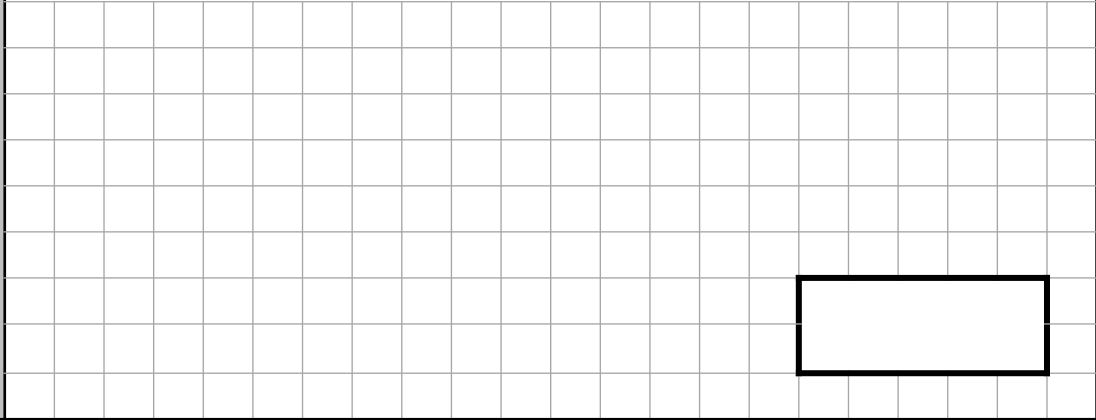
$$6^2 =$$



1 mark

4

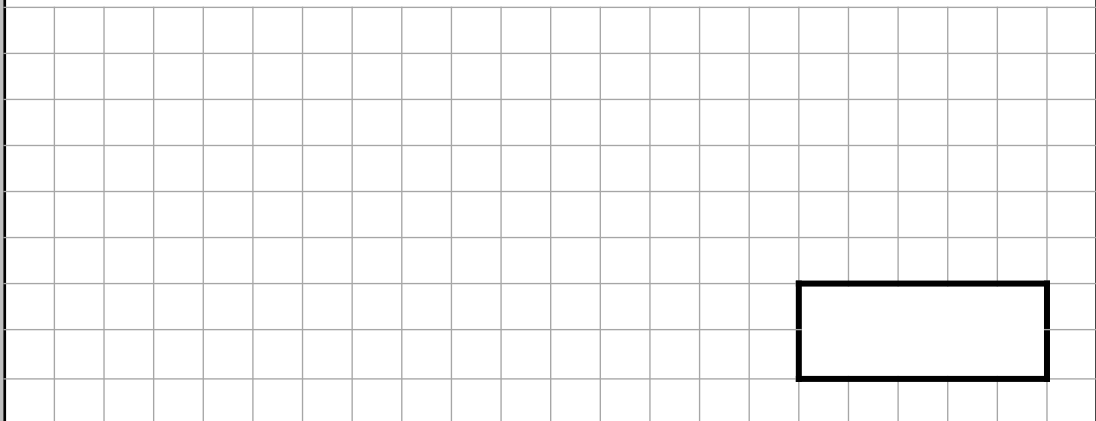
$$15 \div 1 =$$



1 mark

5


$$2,560 \times 5 =$$



1 mark

6

$$5.5 \div 10 =$$



1 mark

7

$$\frac{12}{15} - \frac{3}{15} =$$



1 mark

8

$$16.9 \times 100 =$$



1 mark

9

$$895 + 20,764 =$$



1 mark

10

$$33,650 - 2,750 =$$



1 mark

11

$$75,650 + 750 =$$



1 mark

12

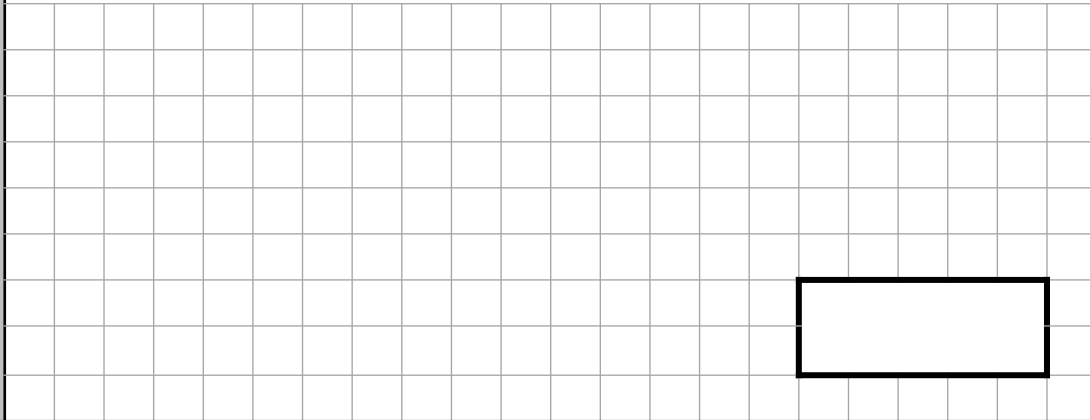
$$3,764 \times 24 =$$



2 marks

13

$$3,746 \div 2 =$$



1 mark

14

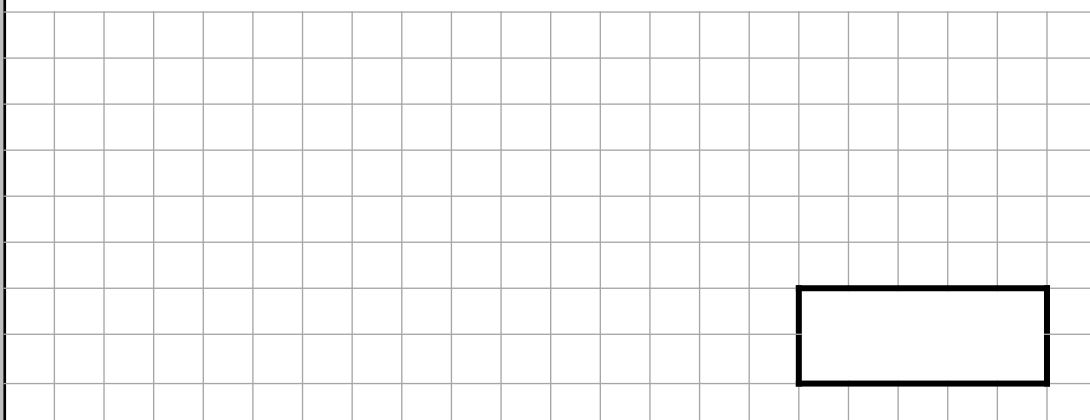
$$35,897 + 99 =$$



1 mark

15

$$276 \div 4 =$$



1 mark

16

$$8.7 \times 1,000 =$$



1 mark

17

$$\frac{1}{3} + \frac{5}{12} =$$



2 marks

18

$$750 \div 1,000 =$$



1 mark



19

$$\boxed{\phantom{000}} + 540 = 650$$



1 mark

20

$$235 \times 45 =$$



2 marks

21

$$\boxed{\phantom{000}} - 1,200 = 2,400$$



1 mark

22

$$12 \times 11 =$$



1 mark

23

$$\frac{4}{5} - \frac{3}{20} =$$



1 mark

24

$$54 \times 6 =$$



1 mark

25

$$765 + 20,756 =$$



1 mark

26

$$20,500 - 1,000 =$$



1 mark

27

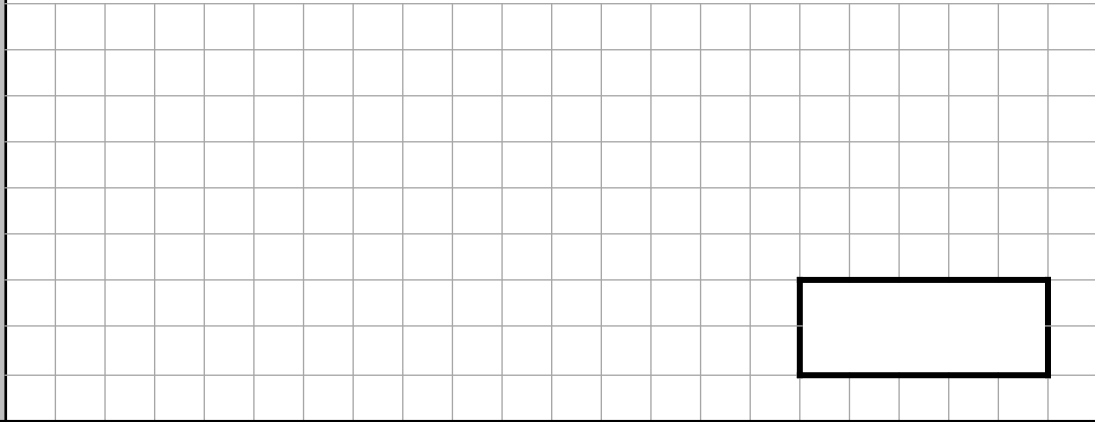
$$16,800 + 5,750 =$$



1 mark

28

$$240 \div 6 =$$



1 mark

29

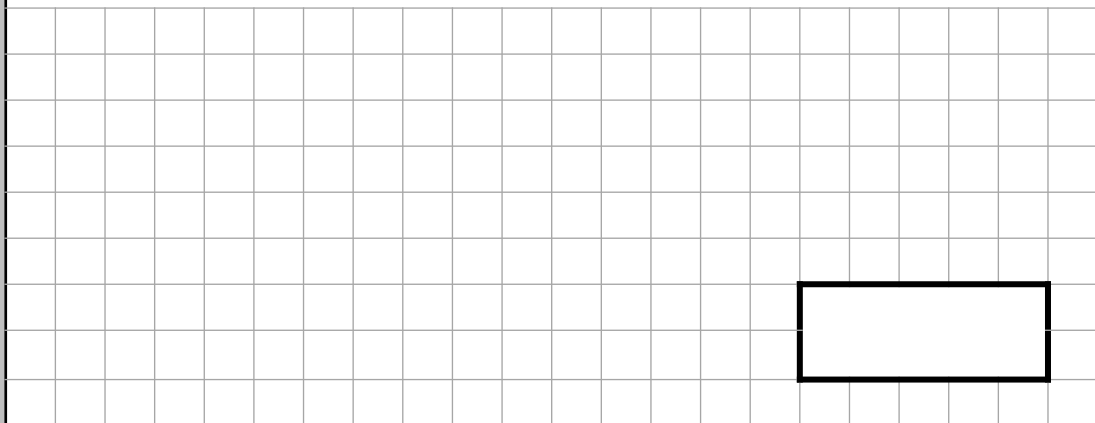
$$\square \times 12 = 72$$



1 mark

30

$$93 \div 3 =$$



1 mark

31

$$3,543 \times 3 =$$



1 mark

32

$$0.12 \times 10 =$$



1 mark

33

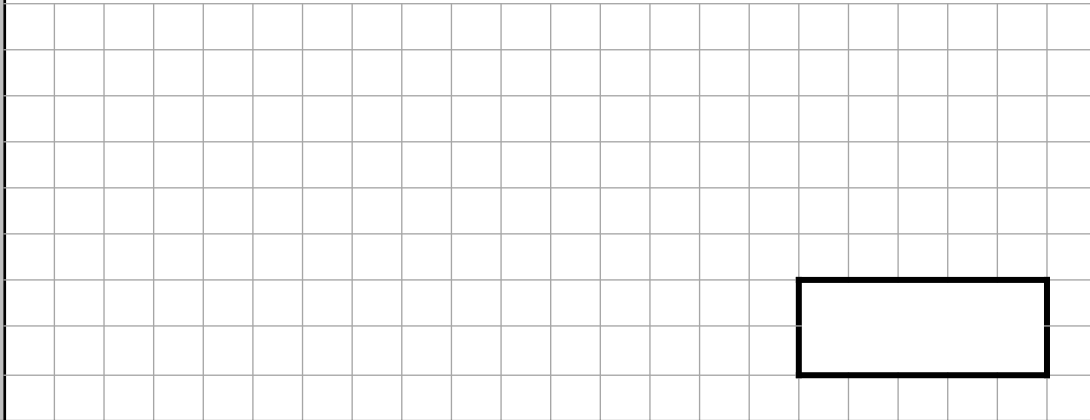
$$\frac{1}{4} \times 4 =$$



1 mark

34

$$1,953 \div 3 =$$



1 mark

35

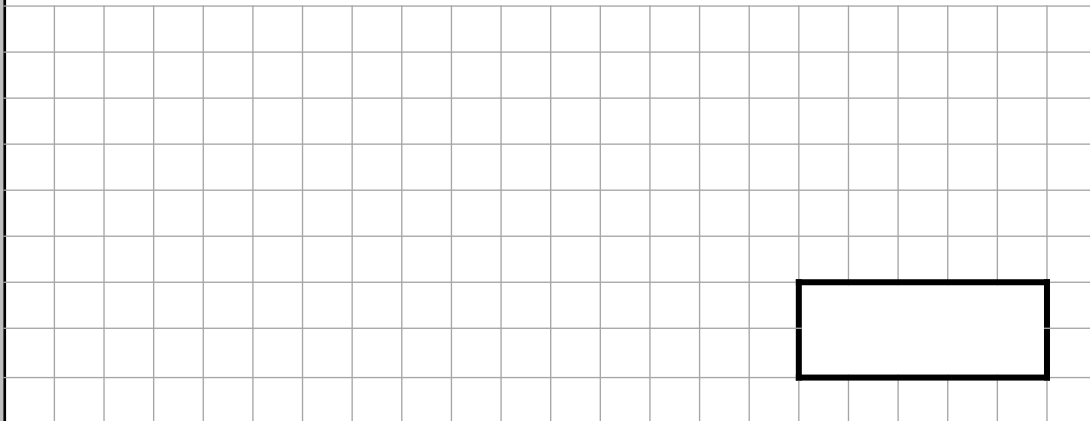
$$124 \times 100 =$$



1 mark

36

$$\frac{2}{3} \times 2 =$$



1 mark

## Arithmetic – Set 6 – Test 1

### Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	19	3C4/4C2
2	4F4	20	5C7a
3	5C5d	21	3C4/4C2
4	4C6b	22	4C6a
5	4C7	23	5F4
6	5C6b	24	4C7
7	4F4	25	5C2
8	5C6b	26	4N2b
9	5C2	27	5C1
10	5C1	28	5C7b
11	5C1	29	3C8
12	5C7a	30	5C7b
13	5C7b	31	5C7a
14	5C2	32	5C6b
15	5C7b	33	5F5
16	5C6b	34	5C7b
17	5F4	35	5C6b
18	5C6b	36	5F5

## Arithmetic – Set 6 – Test 1

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	0	1m	
2	$\frac{8}{8}$ or 1	1m	Accept equivalent fractions
3	36	1m	
4	15	1m	
5	12,800	1m	
6	0.55	1m	
7	$\frac{9}{15}$ or $\frac{3}{5}$	1m	Accept equivalent fractions
8	1,690	1m	
9	21,659	1m	
10	30,900	1m	
11	76,400	1m	
12	<p>Award TWO marks for the correct answer of 90,336</p> <p>If the answer is incorrect, award ONE mark for a formal method of long multiplication with no more than ONE arithmetic error.</p>	Up to 2m	<p>Work must be carried through to reach a final answer for the award of ONE mark.</p> <p>DO NOT award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.</p>
13	1,873	1m	
14	35,996	1m	
15	69	1m	
16	8,700	1m	
17	$\frac{9}{12}$ or $\frac{3}{4}$	1m	Accept equivalent fractions
18	0.75	1m	
19	110	1m	



## Arithmetic – Set 6 – Test 1

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
20	Award TWO marks for the correct answer of 10,575  If the answer is incorrect, award ONE mark for a formal method of long multiplication with no more than ONE arithmetic error.	Up to 2m	Work must be carried through to reach a final answer for the award of ONE mark.  DO NOT award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.
21	3,600	1m	
22	132	1m	
23	$\frac{13}{20}$	1m	Accept equivalent fractions.
24	324	1m	
25	21,521	1m	
26	19,500	1m	
27	22,550	1m	
28	40	1m	
29	6	1m	
30	31	1m	
31	10,629	1m	
32	1.2	1m	
33	$\frac{4}{4}$ or 1	1m	Accept equivalent fractions.
34	651	1m	
35	12,400	1m	
36	$\frac{4}{3}$ or $1\frac{1}{3}$	1m	

1

$$5 \times 3 \times 4 =$$



1 mark

2

$$250 \div 100 =$$



1 mark

3

$$89 \times 0 =$$



1 mark

4

$$55,679 - 7,934 =$$



1 mark

5

$$953 + 6,330 =$$



1 mark

6

$$0.3 = \frac{\square}{10}$$

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1 mark

7

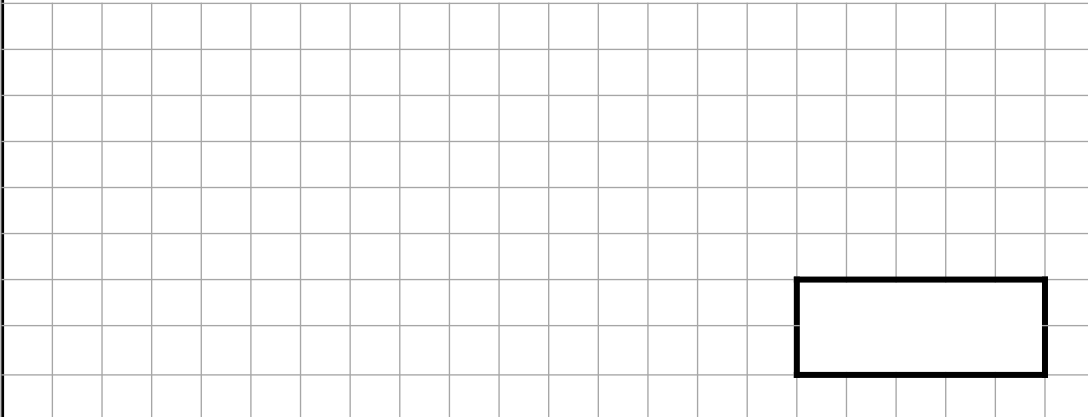
$$884 \div 4 =$$



1 mark

8

$$3,959 \times 4 =$$



1 mark

9

$$23,865 + 651 =$$



1 mark

10

$$\frac{4}{9} + \frac{1}{3} =$$



1 mark

11

$$3,765 + \boxed{\phantom{000}} = 5,000$$



1 mark

12

$$\frac{6}{8} - \frac{2}{8} =$$



1 mark

13

$$4.88 \times 1,000 =$$



1 mark

14

$$0.44 = \frac{\square}{100}$$

<input style="width: 40px; height: 20px;" type="text"/>
<hr style="width: 50%; margin: 0 auto;"/>
100



1 mark

15

$$8 \times 7 =$$



1 mark

16

$$\boxed{\phantom{0000}} - 520 = 8,000$$



1 mark

17

$$2^2 + 16 =$$



1 mark

18

$$555 \times 4 =$$



1 mark

19

$$32 - 6.8 =$$



1 mark

20

$$6,110 - 3,400 =$$



1 mark

21

$$2,583 \div 7 =$$

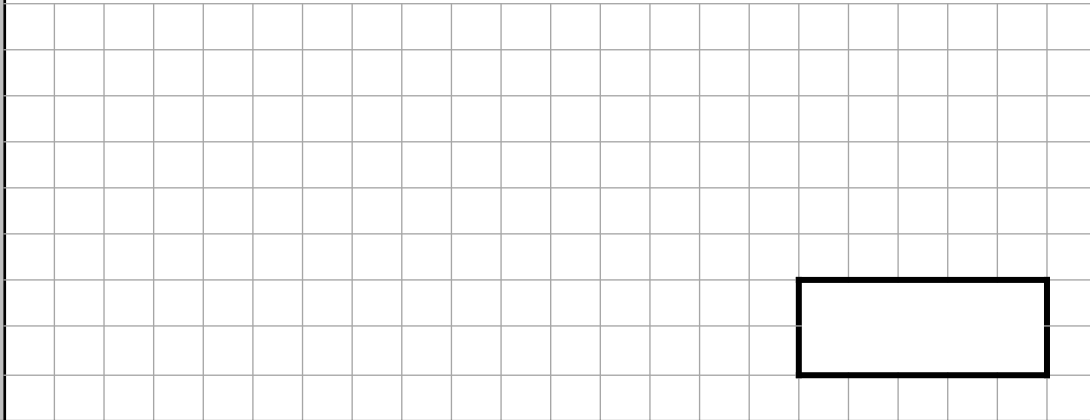


1 mark



22

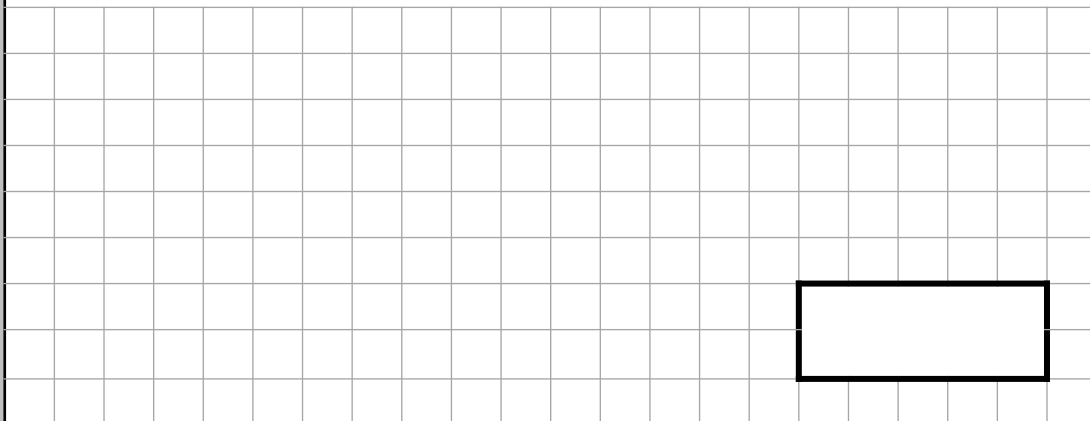
$$129 + 7,985 =$$



1 mark

23

$$26,563 + 5,641 =$$



1 mark

24

$$40,985 - 98 =$$



1 mark

25

$$\frac{5}{8} - \frac{7}{16} =$$



1 mark

26

$$33 \div 10 =$$



1 mark

27

$$973 \times 18 =$$



2 marks

28

$$19,096 - 1,000 =$$



1 mark

29

$$\square \div 6 = 7$$



1 mark

30

$$\frac{3}{5} \times 4 =$$



1 mark

31

$$3,987 \div 1,000 =$$



1 mark

32

$$3,508 + \boxed{\phantom{000}} = 4,000$$



1 mark

33

$$6,312 \times 34 =$$



2 marks

34

$$50 \times 300 =$$



1 mark

35

$$7^2 =$$



1 mark

36

$$4,732 + 32 =$$



1 mark

## Arithmetic – Set 6 – Test 2

### Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	19	5F10
2	5C6b	20	5C1
3	4C6b	21	5C7b
4	5C2	22	4C2
5	5C2	23	5C2
6	5F6a	24	5C2
7	5C7b	25	5F4
8	4C7	26	5C6b
9	5C2	27	5C7a
10	5F4	28	4N2b
11	3C4/4C2	29	3C8
12	4F4	30	5F5
13	5C6b	31	5C6b
14	5F6a	32	3C4/4C2
15	4C6a	33	5C7a
16	3C4/4C2	34	5C6a
17	5C5d	35	5C5d
18	5C7a	36	5C2

## Arithmetic – Set 6 – Test 2

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	60	1m	
2	2.5	1m	
3	0	1m	
4	47,745	1m	
5	7,283	1m	
6	3	1m	
7	221	1m	
8	15,836	1m	
9	24,516	1m	
10	$\frac{7}{9}$	1m	Accept equivalent fractions.
11	1,235	1m	
12	$\frac{4}{8}$ or $\frac{1}{2}$	1m	Accept equivalent fractions.
13	4,880	1m	
14	44	1m	
15	56	1m	
16	8,520	1m	
17	20	1m	
18	2,220	1m	
19	25.2	1m	
20	2,710	1m	
21	369	1m	
22	8,114	1m	
23	32,204	1m	
24	40,887	1m	
25	$\frac{3}{16}$	1m	Accept equivalent fractions.
26	3.3	1m	

## Arithmetic – Set 6 – Test 2

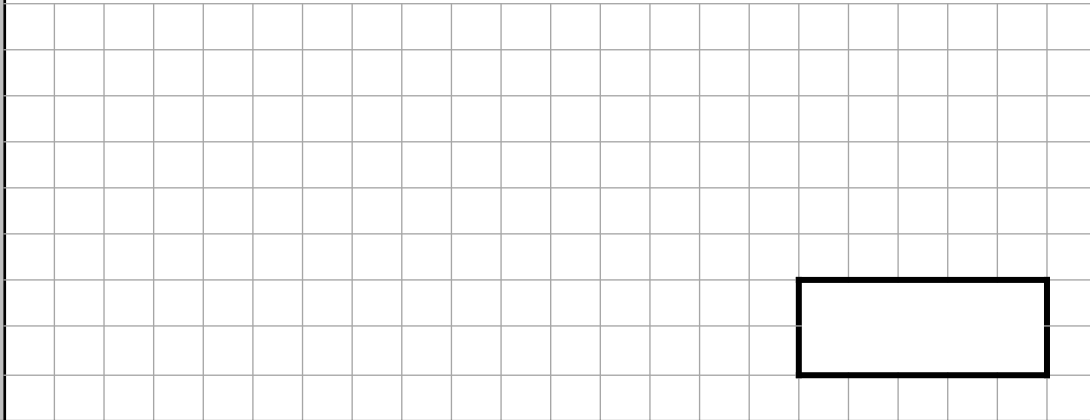
### Mark scheme

Qu.	Requirement	Mark	Additional guidance
27	<p>Award TWO marks for the correct answer of 17,514.</p> <p>If the answer is incorrect, award ONE mark for a formal method of long multiplication with no more than ONE arithmetic error.</p>	Up to 2m	<p>Work must be carried through to reach a final answer for the award of ONE mark.</p> <p>DO NOT award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.</p>
28	18,096	1m	
29	42	1m	
30	$\frac{12}{5}$ or $2\frac{2}{5}$	1m	Accept equivalent fractions or an <u>exact</u> decimal equivalent, e.g. 2.4
31	3.987	1m	
32	492	1m	
33	<p>Award TWO marks for the correct answer of 214,608</p> <p>If the answer is incorrect, award ONE mark for a formal method of long multiplication with no more than ONE arithmetic error.</p>	Up to 2m	<p>Work must be carried through to reach a final answer for the award of ONE mark.</p> <p>DO NOT award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.</p>
34	15,000	1m	
35	49	1m	
36	4,764	1m	



1

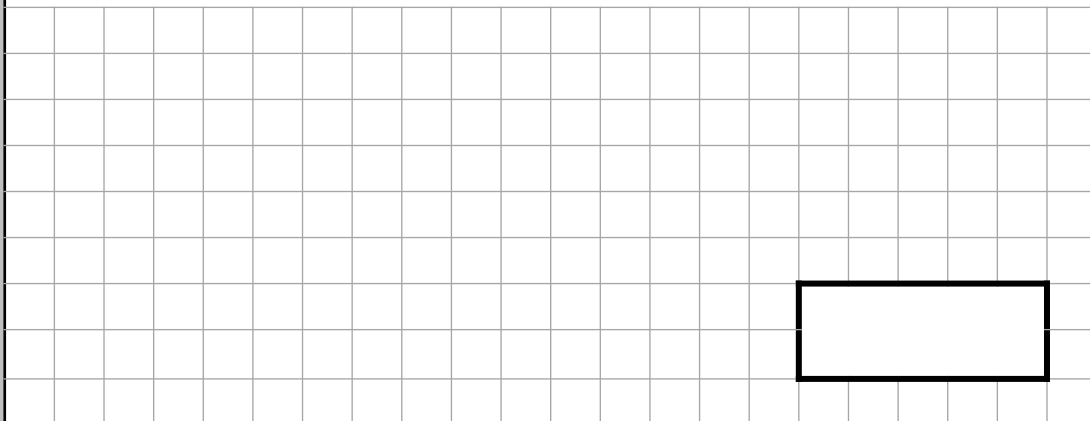
$$100 \times 0 =$$



1 mark

2

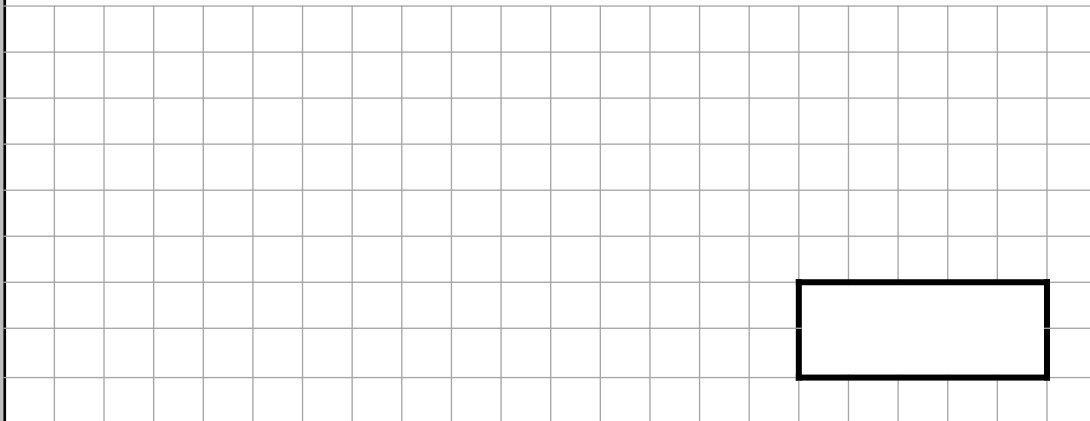
$$235 \times 2 =$$



1 mark

3

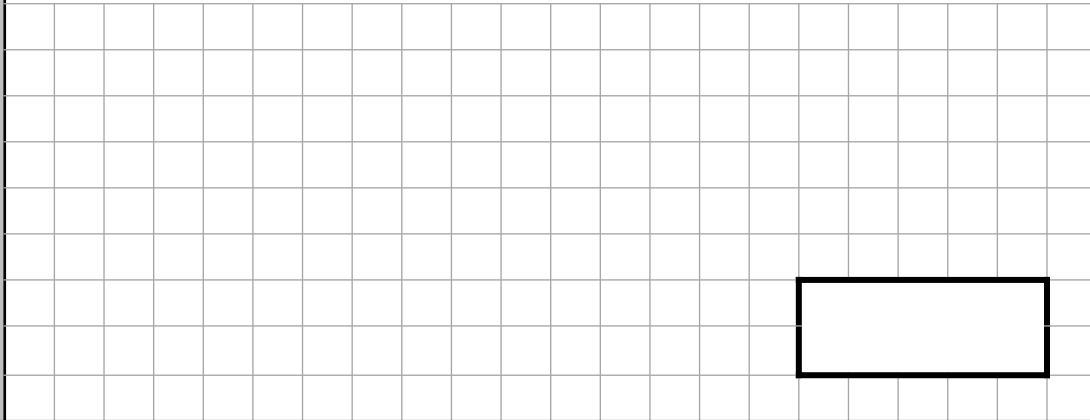
$$29,002 + 1,000 =$$



1 mark

4

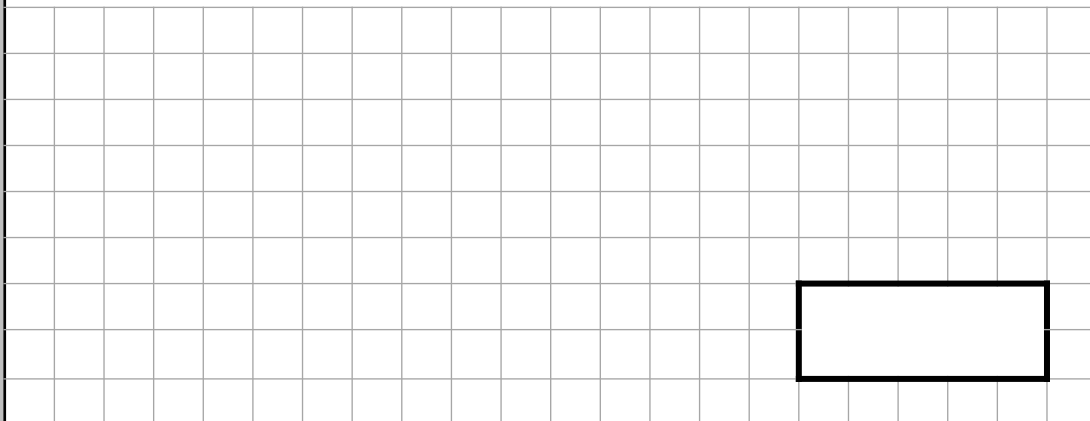
$$7,500 - 2,600 =$$



1 mark

5

$$8,906 + 650 =$$



1 mark

6

$$6,953 \times 4 =$$



1 mark

7

$$1,767 \div 3 =$$



1 mark

8

$$\boxed{\phantom{0000}} + 4,200 = 8,800$$



1 mark

9

$$25,290 - 4,190 =$$



1 mark

10

$$4,606 \div 7 =$$



1 mark

11

$$\square - 250 = 3,500$$



1 mark

12

$$6 \times 4 \times 2 =$$



1 mark

13

$$0.2 = \frac{\square}{5}$$

$$\frac{\square}{5}$$



1 mark

14

$$289 \times 43 =$$



2 marks

15

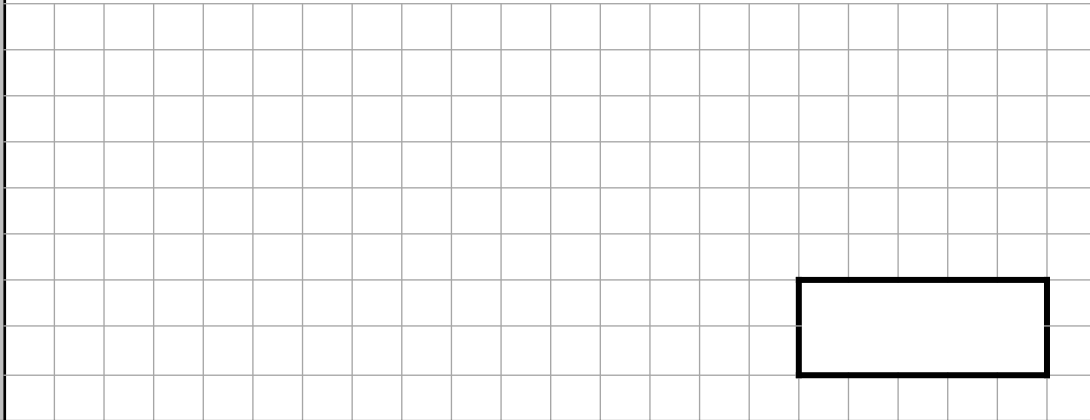
$$\frac{5}{6} + \frac{7}{12} =$$



1 mark

16

$$78 \div 100 =$$



1 mark

17

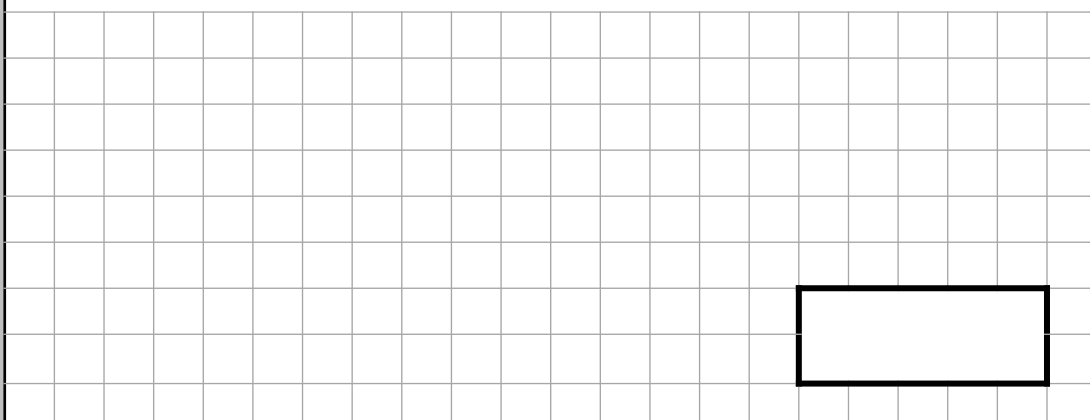
$$54,874 + 980 =$$



1 mark

18

$$0.44 \times 10 =$$



1 mark

19

$$5,821 - 5,328 =$$



1 mark

20

$$0.6 \times 1,000 =$$



1 mark

21

$$0.54 = \frac{\square}{100}$$

<input style="width: 100%; height: 100%;" type="text"/>
<hr style="width: 50%; margin: 0 auto;"/>
100



1 mark

22

$$15 - 9.3 =$$



1 mark

23

$$4,912 \times 6 =$$



1 mark

24

$$19 + 2.19 =$$



1 mark



25

$$\frac{4}{5} - \frac{6}{20} =$$



1 mark

26

$$6^2 - 32 =$$



1 mark

27

$$990 \div 1,000 =$$



1 mark

28

$$540 \div 6 =$$



1 mark

29

$$\square \div 8 = 60$$



1 mark

30

$$432 + \square = 1,540$$



1 mark

31

$$\frac{3}{7} \times 3 =$$



1 mark

32

$$128 \div 8 =$$



1 mark

33

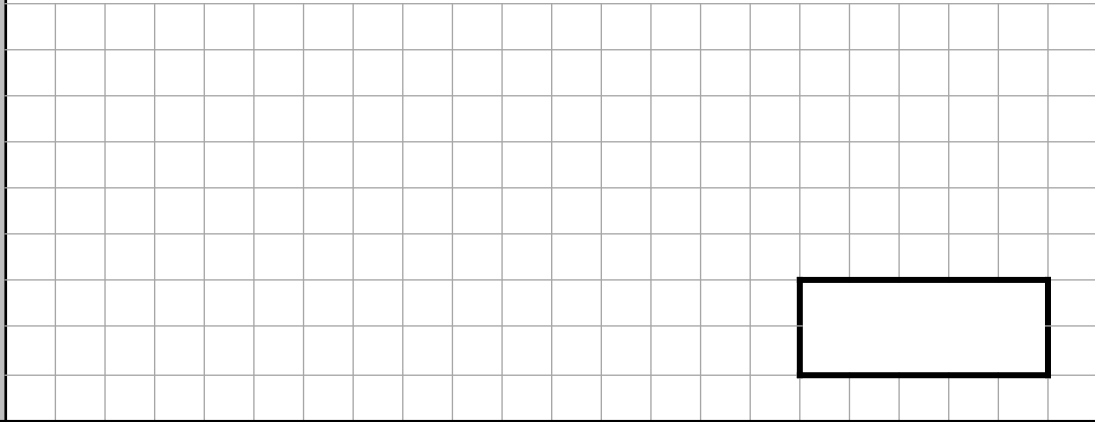
$$7,823 \times 29 =$$



2 marks

34

$$873 + 1,864 =$$



1 mark

35

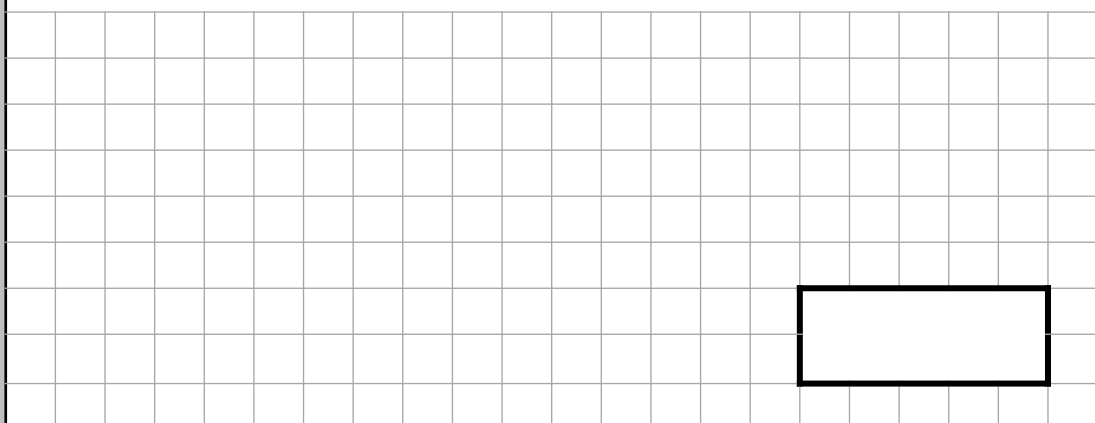
$$300 \div 50 =$$



1 mark

36

$$140 \times 20 =$$



1 mark

## Arithmetic – Set 6 – Test 3

### Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	19	4C2
2	4C7	20	5C6b
3	4N2b	21	5F6a
4	4C2	22	5F10
5	4C2	23	5C7a
6	5C7a	24	5F10
7	5C7b	25	5F4
8	3C4/4C2	26	5C5d
9	5C2	27	5C6b
10	5C7b	28	5C6a
11	3C4/4C2	29	5C6a/3C8
12	4C6b	30	3C4/4C2
13	5F6a	31	5F5
14	5C7a	32	5C6a
15	5F4	33	5C7a
16	5C6b	34	5C2
17	5C2	35	5C6a
18	5C6b	36	5C6a

## Arithmetic – Set 6 – Test 3

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	0	1m	
2	470	1m	
3	30,002	1m	
4	4,900	1m	
5	9,556	1m	
6	27,812	1m	
7	589	1m	
8	4,600	1m	
9	21,100	1m	
10	658	1m	
11	3,750	1m	
12	48	1m	
13	1	1m	
14	<p>Award <b>TWO</b> marks for the correct answer of 12,427</p> <p>If the answer is incorrect, award <b>ONE</b> mark for a formal method of long multiplication with no more than <b>ONE</b> arithmetic error.</p>	Up to 2m	<p>Work must be carried through to reach a final answer for the award of <b>ONE</b> mark.</p> <p><b>DO NOT</b> award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.</p>
15	$\frac{17}{12}$ or $1\frac{5}{12}$	1m	Accept equivalent fractions.
16	0.78	1m	
17	55,854	1m	
18	4.4	1m	
19	493	1m	
20	600	1m	
21	54	1m	
22	5.7	1m	

## Arithmetic – Set 6 – Test 3

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
23	29,472	1m	
24	21.19	1m	
25	$\frac{10}{20}$ or $\frac{1}{2}$	1m	Accept equivalent fractions.
26	4	1m	
27	0.99	1m	
28	90	1m	
29	480	1m	
30	1,108	1m	
31	$\frac{9}{7}$ or $1\frac{2}{7}$	1m	Accept equivalent fractions or an <u>exact</u> decimal equivalent, e.g. 1.2857142
32	16	1m	
33	Award TWO marks for the correct answer of 226,867  If the answer is incorrect, award ONE mark for a formal method of long multiplication with no more than ONE arithmetic error.	Up to 2m	Work must be carried through to reach a final answer for the award of ONE mark.  DO NOT award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.
34	2,737	1m	
35	6	1m	
36	2,800	1m	

1

$$14 \div 1 =$$



1 mark

2

$$345 \times 3 =$$



1 mark

3

$$10,987 - 1,000 =$$



1 mark



4

$$457 + 12,850 =$$



1 mark

5

$$92,091 + 3,475 =$$



1 mark

6

$$12 \div 1,000 =$$



1 mark

7

$$\frac{1}{21} + \frac{3}{7} =$$



1 mark

8

$$0.35 \times 100 =$$



2 marks

9

$$\boxed{\phantom{000}} + 1,200 = 9,000$$



1 mark

10

$$0.8 = \frac{\square}{5}$$

$\frac{\square}{5}$
---------------------



1 mark

11

$$350 \div 5 =$$

--



1 mark

12

$$50 \times 9 =$$

--



1 mark

13

$$8,932 - \boxed{\phantom{0000}} = 3,298$$



1 mark

14

$$5,932 \times 7 =$$



1 mark

15

$$4 \div 10 =$$



1 mark

16

$$0.25 = \frac{\square}{4}$$

<div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div> <hr style="width: 20px; margin: 0 auto;"/>
4



1 mark

17

$$3.76 \times 1,000 =$$

--



1 mark

18

$$8,784 + 400 =$$

--



1 mark

19

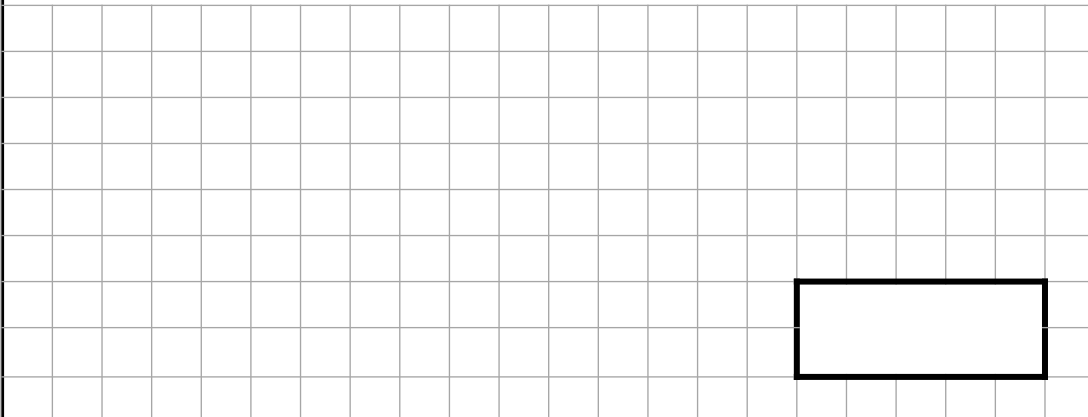
$$3,498 \times 55 =$$



2 marks

20

$$5,246 - 330 =$$



1 mark

21

$$0.009 \times 10 =$$



1 mark

22

$$\frac{4}{5} - \frac{3}{10} =$$



1 mark

23

$$5^3 =$$



1 mark

24

$$4.9 + 3.6 =$$



1 mark

25

$$9,893 - 3,874 =$$



1 mark

26

$$4.98 - 3.6 =$$



1 mark

27

$$15,232 + 3,732 =$$



1 mark



28

$$\boxed{\phantom{000}} \div 40 = 5$$



1 mark

29

$$\frac{1}{5} \text{ of } 200 =$$



1 mark

30

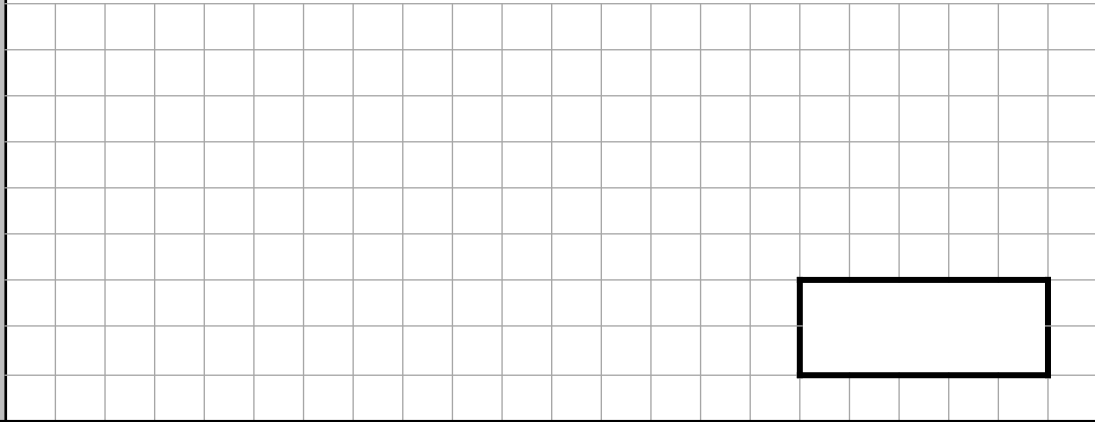
$$32,987 + 11,574 =$$



1 mark

31

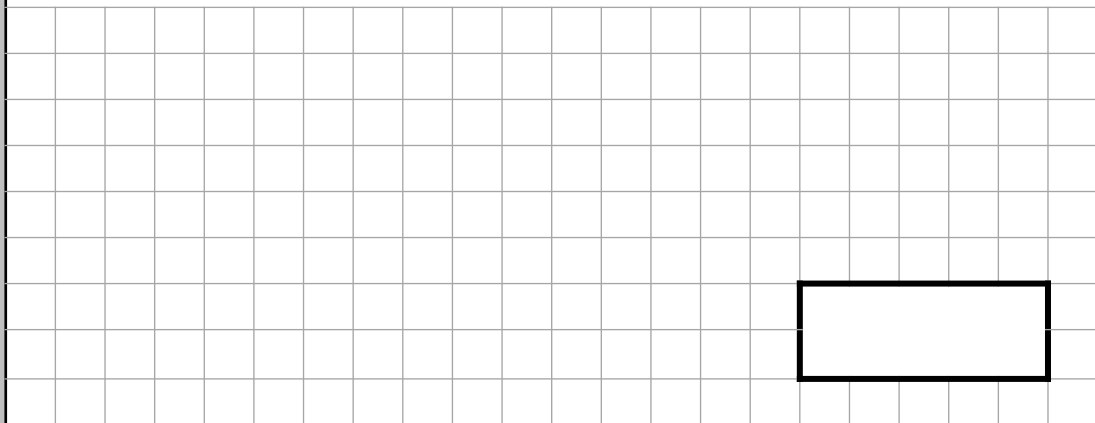
$$43,987 - 4,674 =$$



1 mark

32

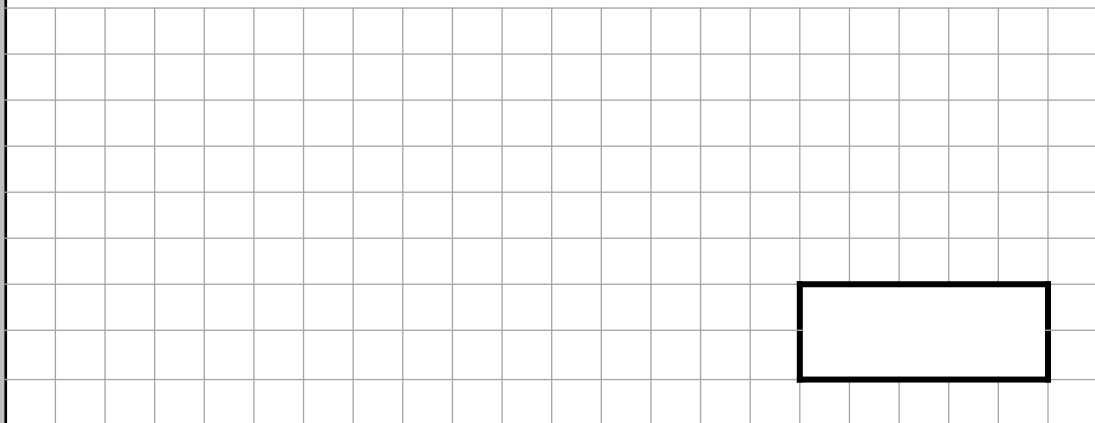
$$110 + 1,000 =$$



1 mark

33

$$3,982 \times 32 =$$



2 marks

34

$$\frac{4}{5} \times 2 =$$



1 mark

35

$$1,345 + \boxed{\phantom{000}} = 4,987$$



1 mark

36

$$2,961 \div 3 =$$



1 mark

## Arithmetic – Set 6 – Test 4

### Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	19	5C7a
2	4C7	20	5C1
3	4N2b	21	5C6b
4	5C2	22	5F4
5	5C2	23	5C5d
6	5C6b	24	5F10
7	5F4	25	5C1
8	5C6b	26	5F10
9	3C4/4C2	27	5C2
10	5F6a	28	3C8
11	5C6a	29	3F1b
12	5C6a	30	5C2
13	3C4/4C2	31	5C2
14	5C7a	32	4N2b
15	5C6a	33	5C7a
16	5F6a	34	5F5
17	5C6b	35	3C4/4C2
18	5C1	36	5C7b

## Arithmetic – Set 6 – Test 4

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	14	1m	
2	1,035	1m	
3	9,987	1m	
4	13,307	1m	
5	95,566	1m	
6	0.012	1m	
7	$\frac{10}{21}$	1m	Accept equivalent fractions.
8	35	1m	
9	7,800	1m	
10	4	1m	
11	70	1m	
12	450	1m	
13	5,634	1m	
14	41,524	1m	
15	0.4	1m	
16	1	1m	
17	3,760	1m	
18	9,184	1m	
19	<p>Award <b>TWO</b> marks for the correct answer of 192,390</p> <p>If the answer is incorrect, award <b>ONE</b> mark for a formal method of long multiplication with no more than <b>ONE</b> arithmetic error.</p>	Up to 2m	<p>Work must be carried through to reach a final answer for the award of <b>ONE</b> mark.</p> <p><b>DO NOT</b> award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.</p>
20	4,916	1m	
21	0.09	1m	
22	$\frac{5}{10}$ or $\frac{1}{2}$	1m	
23	125	1m	
24	8.5	1m	

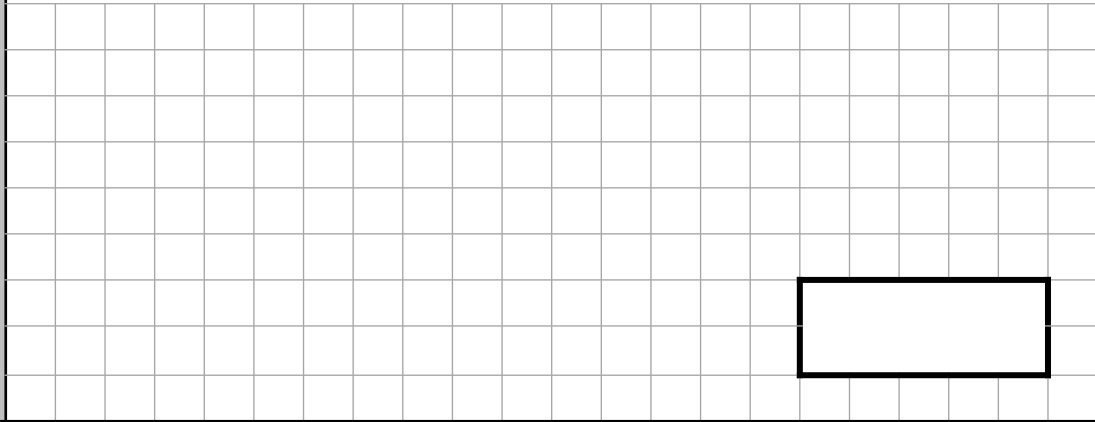
## Arithmetic – Set 6 – Test 4

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
25	6,019	1m	
26	1.38	1m	
27	18,964	1m	
28	200	1m	
29	40	1m	
30	44,561	1m	
31	39,313	1m	
32	1,110	1m	
33	<p>Award <b>TWO</b> marks for the correct answer of 127,424</p> <p>If the answer is incorrect, award <b>ONE</b> mark for a formal method of long multiplication with no more than <b>ONE</b> arithmetic error.</p>	Up to 2m	<p>Work must be carried through to reach a final answer for the award of <b>ONE</b> mark.</p> <p><b>DO NOT</b> award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.</p>
34	$\frac{8}{5}$ or $1\frac{3}{5}$	1m	Accept equivalent fractions or an <u>exact</u> decimal equivalent, e.g. 1.6.
35	3,642	1m	
36	987	1m	

1

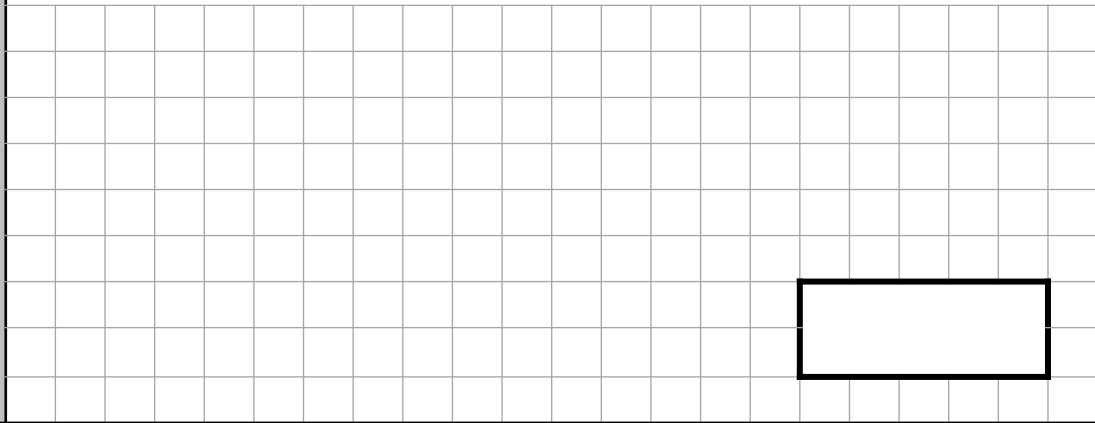
$$6 \times 4 \times 1 =$$



1 mark

2

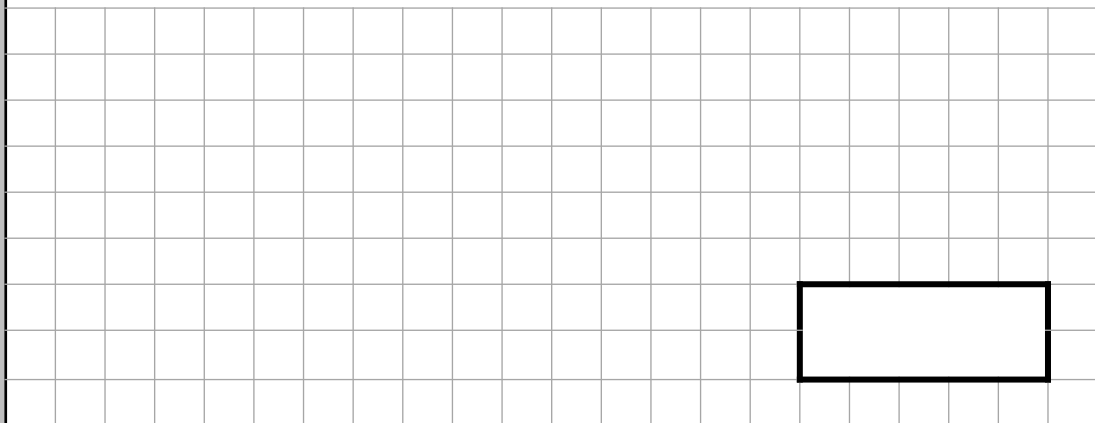
$$746 \div 2 =$$



1 mark

3

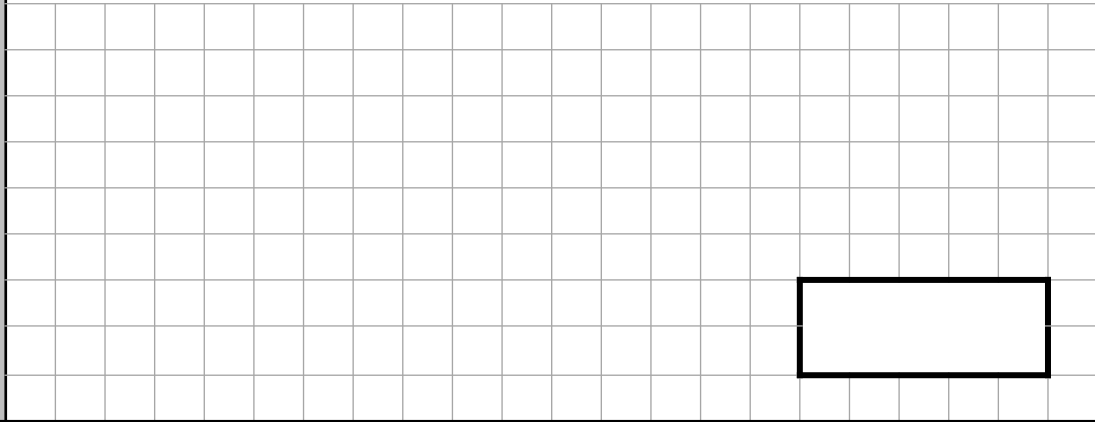
$$2.3 \times 100 =$$



1 mark

4

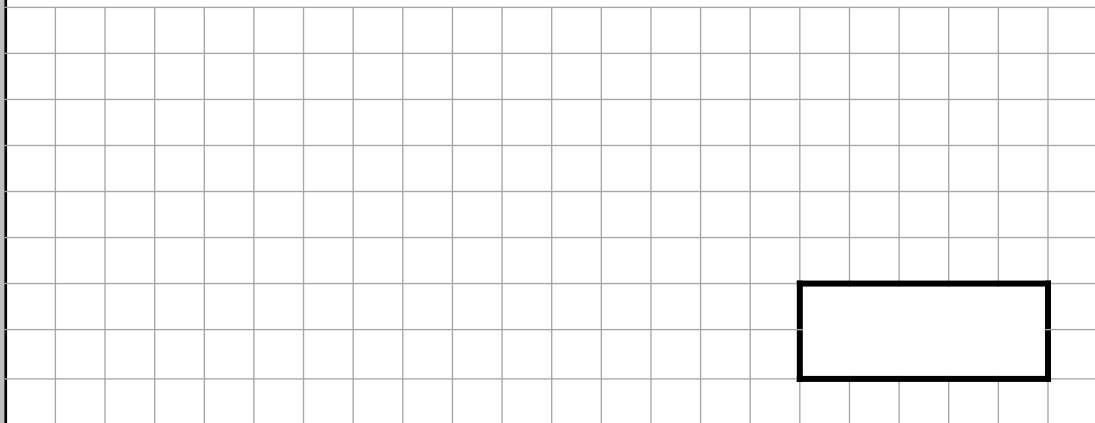
$$32 \div 100 =$$



1 mark

5

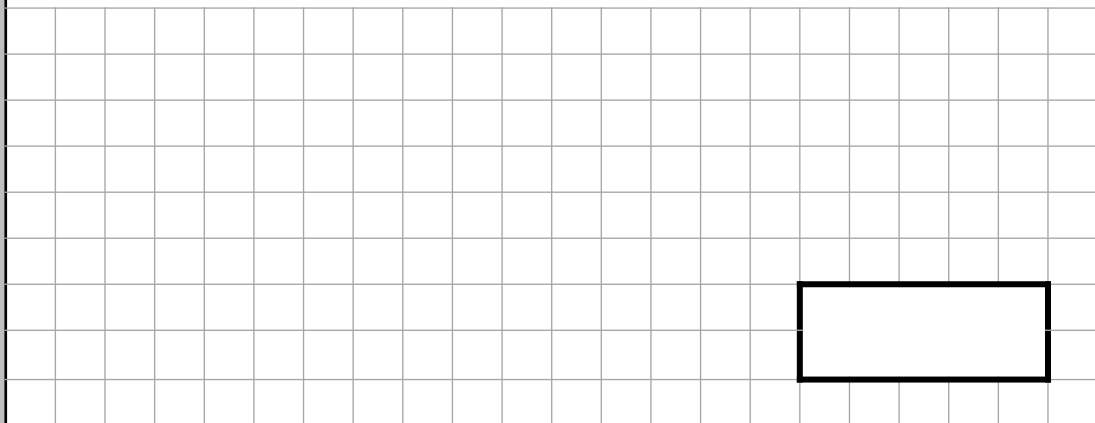
$$995 \div 5 =$$



1 mark

6

$$4,764 - 800 =$$



1 mark



7

$$7,921 + 420 =$$



1 mark

8

$$22 \div 100 =$$



1 mark

9

$$30 \times 50 =$$



1 mark

10

$$23,463 + 2,500 =$$



1 mark

11

$$45,213 + 9,843 =$$



1 mark

12

$$5,235 + \boxed{\phantom{0000}} = 8,900$$



1 mark

13

$$9,987 - \boxed{\phantom{000}} = 8,900$$



1 mark

14

$$360 \div 9 =$$



1 mark

15

$$76 \times 5 =$$



1 mark

16

$$0.75 = \frac{\square}{4}$$

<div style="border: 1px solid black; width: 50px; height: 20px; margin: 0 auto;"></div>
<hr style="width: 50%; margin: 0 auto;"/>
4



1 mark

17

$$18,978 + 33,120 =$$



1 mark

18

$$67,314 - 2,669 =$$



1 mark

19

$$90 \times 300 =$$



1 mark

20

$$\frac{3}{4} - \frac{1}{2} =$$



1 mark

21

$$754 \times 22 =$$



2 marks

22

$$3,500 \div 100 =$$



1 mark

23

$$0.5 = \frac{\square}{2}$$

<input style="width: 100%; height: 100%;" type="text"/>
_____
2



1 mark

24

$$\frac{8}{12} + \frac{2}{3} =$$



1 mark

25

$$7,235 - 450 =$$



1 mark

26

$$74,245 + 2,060 =$$



1 mark

27

$$\boxed{\phantom{000}} \times 40 = 400$$



1 mark

28

$$7,896 \div 8 =$$



1 mark

29

$$1\frac{1}{4} \times 5 =$$



1 mark

30

$$70 \times 9 =$$



1 mark



31

$$10,210 + 1,000 =$$



1 mark

32

$$78,942 + 8,320 =$$



1 mark

33

$$45,103 - 6,520 =$$



1 mark

34

$$8,032 \times 24 =$$



2 marks

35

$$\frac{5}{6} \times 8 =$$



1 mark

36

$$252 \div 7 =$$



1 mark

## Arithmetic – Set 6 – Test 5

### Mark scheme

Question	Content domain reference	Question	Content domain reference
1	4C6b	19	5C6a
2	4C7	20	5F4
3	5C6b	21	5C7a
4	5C6b	22	5C6b
5	5C7b	23	5F6a
6	5C1	24	5F4
7	5C1	25	4C2/5C1
8	5C6b	26	5C2
9	5C6a	27	3C8/4C6a
10	5C2	28	5C7b
11	5C2	29	5F5
12	3C4/4C2	30	5C6a
13	3C4/4C2	31	4N2b
14	5C6a	32	5C2
15	4C7	33	5C2
16	5F6a	34	5C7a
17	5C2	35	5F5
18	5C2	36	5C7b

## Arithmetic – Set 6 – Test 5

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	24	1m	
2	373	1m	
3	230	1m	
4	0.32	1m	
5	199	1m	
6	3,964	1m	
7	8,341	1m	
8	0.22	1m	
9	1,500	1m	
10	25,963	1m	
11	55,056	1m	
12	3,665	1m	
13	1,087	1m	
14	40	1m	
15	380	1m	
16	3	1m	
17	52,098	1m	
18	64,645	1m	
19	27,000	1m	
20	$\frac{1}{4}$	1m	Accept equivalent fractions.
21	<p>Award <b>TWO</b> marks for the correct answer of 16,588</p> <p>If the answer is incorrect, award <b>ONE</b> mark for a formal method of long multiplication with no more than <b>ONE</b> arithmetic error.</p>	Up to 2m	<p>Work must be carried through to reach a final answer for the award of <b>ONE</b> mark.</p> <p><b>DO NOT</b> award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.</p>
22	35	1m	

## Arithmetic – Set 6 – Test 5

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
23	1	1m	
24	$\frac{16}{12}$ or $1\frac{1}{3}$	1m	Accept equivalent fractions.
25	6,785	1m	
26	76,305	1m	
27	10	1m	
28	987	1m	
29	$\frac{25}{4}$ or $6\frac{1}{4}$	1m	Accept equivalent fractions or an <u>exact</u> decimal equivalent, e.g.9.6
30	630	1m	
31	10,310	1m	
32	87,262	1m	
33	38,583	1m	
34	Award TWO marks for the correct answer of 192,768  If the answer is incorrect, award ONE mark for a formal method of long multiplication with no more than ONE arithmetic error.	Up to 2m	Work must be carried through to reach a final answer for the award of ONE mark.  DO NOT award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.
35	$\frac{40}{6}$ or $6\frac{2}{3}$	1m	Accept equivalent fractions or an <u>exact</u> decimal equivalent, e.g.6.66666666
36	36	1m	

1

$$3 \times 0 \times 2 =$$



1 mark

2

$$0.1 \div 10 =$$



1 mark

3

$$225 \times 4 =$$



1 mark

4

$$3^3 + 12 =$$



1 mark

5

$$179 + 9,200 =$$



1 mark

6

$$34,550 - 750 =$$



1 mark

7

$$12.9 \div 100 =$$



1 mark

8

$$700 \div 5 =$$



1 mark

9

$$43,854 + 12,903 =$$



1 mark



10

$$54,900 - 3,950 =$$



1 mark

11

$$2.2 \times 100 =$$



1 mark

12

$$\boxed{\phantom{000}} + 1,005 = 3,150$$



1 mark

13

$$\boxed{\phantom{0000}} - 2,550 = 5,000$$



1 mark

14

$$0.09 = \frac{\boxed{\phantom{00}}}{100}$$

<input type="text"/>
100



1 mark

15

$$70 \times 8 =$$



1 mark

16

$$215 \div 1,000 =$$



1 mark

17

$$\frac{2}{3} + \frac{5}{9} =$$



1 mark

18

$$3,200 + 8,900 =$$



1 mark

19

$$\square \times 25 = 2,500$$



1 mark

20

$$345 + 67,543 =$$



1 mark

21

$$0.6 = \frac{\square}{5}$$

<input style="width: 40px; height: 20px;" type="text"/>
<hr style="width: 40px; margin: 0 auto;"/>
5



1 mark

22

$$\frac{4}{5} - \frac{2}{20} =$$



1 mark

23

$$845 \times 4 =$$



1 mark

24

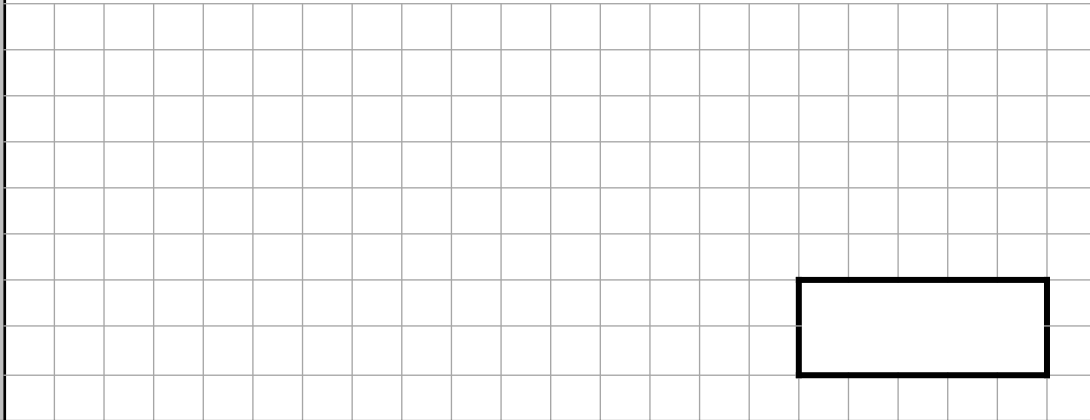
$$278 \div 1,000 =$$



1 mark

25

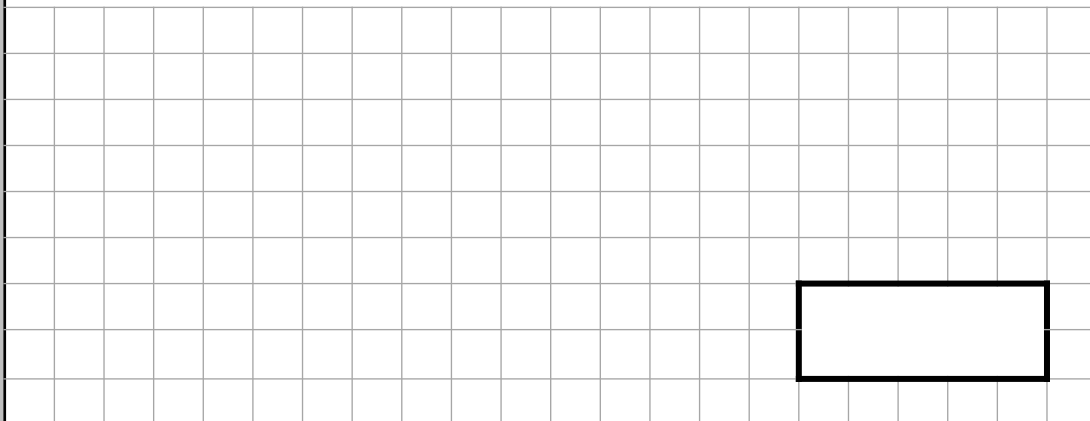
$$0.01 \times 1,000 =$$



1 mark

26

$$36,901 + 99 =$$



1 mark

27

$$35.8 - 12.87 =$$



1 mark

28

$$\boxed{\phantom{000}} \div 40 = 800$$



1 mark

29

$$60 \times 50 =$$



1 mark

30

$$35,789 + 1,976 =$$



1 mark

31

$$1\frac{6}{7} \times 3 =$$



1 mark

32

$$8,675 \times 33 =$$



2 marks

33

$$45,750 - 8,750 =$$



1 mark



34

$$\frac{4}{9} \times 2 =$$



1 mark

35

$$6^3 =$$



1 mark

36

$$55,778 - 15,988 =$$



1 mark

## Arithmetic – Set 6 – Test 6

### Content domain coverage

Question	Content domain reference	Question	Content domain reference
1	4C6b	19	3C8
2	4C6b	20	5C2
3	4C7	21	5F6a
4	5C5d	22	5F4
5	4C2	23	4C7
6	5C1	24	5C6b
7	5C6b	25	5C6b
8	5C6a	26	5C2
9	5C2	27	5F10
10	5C1	28	3C8
11	5C6b	29	5C6a
12	3C4/4N2b	30	5C2
13	3C4/5C1	31	5F5
14	5F6a	32	5C7a
15	5C6a	33	5C2
16	5C6b	34	5F5
17	5F4	35	5C5d
18	5C1	36	5C2

## Arithmetic – Set 6 – Test 6

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
1	0	1m	
2	0.01	1m	
3	900	1m	
4	39	1m	
5	9,379	1m	
6	33,800	1m	
7	0.129	1m	
8	140	1m	
9	56,757	1m	
10	50,950	1m	
11	220	1m	
12	2,145	1m	
13	7,550	1m	
14	9	1m	
15	560	1m	
16	0.215	1m	
17	$\frac{11}{9}$ or $1\frac{2}{9}$	1m	Accept equivalent fractions.
18	12,100	1m	
19	100	1m	
20	67,888	1m	
21	3	1m	
22	$\frac{7}{10}$	1m	Accept equivalent fractions or an <u>exact</u> decimal equivalent, e.g. 0.25
23	3,380	1m	
24	0.278	1m	
25	10	1m	
26	37,000	1m	
27	22.93	1m	
28	32,000	1m	

## Arithmetic – Set 6 – Test 6

### Mark scheme

Qu.	Requirement	Mark	Additional guidance
29	3,000	1m	
30	37,765	1m	
31	$\frac{39}{7}$ or $5\frac{4}{7}$	1m	Accept equivalent fractions or an <u>exact</u> decimal equivalent, e.g. 5.5714285
32	Award <b>TWO</b> marks for the correct answer of 286,275  If the answer is incorrect, award <b>ONE</b> mark for a formal method of long multiplication with no more than <b>ONE</b> arithmetic error.	Up to 2m	Work must be carried through to reach a final answer for the award of <b>ONE</b> mark.  <b>DO NOT</b> award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens.
33	37,000	1m	
34	$\frac{8}{9}$	1m	Accept equivalent fractions or an <u>exact</u> decimal equivalent, e.g. 0.88888888
35	216	1m	
36	39,790	1m	