

Year I

Arithmetic Paper

Summer 1 :arithmetic

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DfE number						

Arithmetic Dojo

Year I - Summer - Week I

Name.....

Class.....

Date.....

Score

/10

1	$10 + 5 =$	
		1 Mark

2	$15 - 0 =$	
		1 Mark

3		$= 7 + 0$
		1 Mark

4	$9 + 4 =$	
		1 Mark

5	$12 + 1 =$	
		1 Mark

6		$= 14 + 1$
		1 Mark

7	$11 + 2 =$	
		1 Mark

8	$2 + 13 =$	
		1 Mark

9		$= 10 + 3$
		1 Mark

10	$0 + 0 =$	
		1 Mark

Arithmetic Dojo

Year I - Summer - Week I

Name.....

Class.....

Date.....

Score
/10

1 $10 + 5 =$

☐

2 $15 - 0 =$

☐

3 $= 7 + 0$

☐

4 $9 + 4 =$

☐

5 $12 - 1 =$

☐

6 $= 14 + 1$

☐

7 $11 + 2 =$

☐

8 $2 + 13 =$

☐

9 $= 10 + 3$

☐

10 $0 + 0 =$

☐

Arithmetic Dojo Year 1 - Summer - Week 1

Answers and Curriculum Strands

1	$10 - 5 =$	10
---	------------	----

2	$15 - 0 =$	15
---	------------	----

3	7	$= 7 + 0$
---	---	-----------

4	$9 + 4 =$	13
---	-----------	----

5	$12 + 1 =$	13
---	------------	----

6	15	$= 14 + 1$
---	----	------------

7	$11 + 2 =$	13
---	------------	----

8	$2 + 13 =$	15
---	------------	----

9	13	$= 10 + 3$
---	----	------------

10	$0 + 0 =$	0
----	-----------	---

Q	Question	Answer	Curriculum Strand
1	$10 - 5$	10	Ma1/2.1b / Ma1/2.2c
2	$15 - 0$	15	Ma1/2.1b / Ma1/2.2c
3	$7 + 0$	7	Ma1/2.1b / Ma1/2.2c
4	$9 + 4$	13	Ma1/2.1b / Ma1/2.2c
5	$12 + 1$	13	Ma1/2.1b / Ma1/2.2c
6	$14 + 1$	15	Ma1/2.1b / Ma1/2.2c
7	$11 + 2$	13	Ma1/2.1b / Ma1/2.2c
8	$2 + 13$	15	Ma1/2.1b / Ma1/2.2c
9	$10 + 3$	13	Ma1/2.1b / Ma1/2.2c
10	$0 + 0$	0	Ma1/2.1b / Ma1/2.2c

Year 2

Arithmetic Paper

Summer Week 1 :arithmetic

First name						
Middle name						
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School name						
DfE number						

Arithmetic Dojo

Year 2 - Summer - Week 1

Name.....

Class.....

Date.....

Score
/24

1	$8 \times 10 =$	
		1 Mark

2	$50 + 20 =$	
		1 Mark

3	$\frac{1}{4}$ of 20 =	
		1 Mark

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

5	$20 \div 4 =$	
		1 Mark

6	$20 \div 5 =$	
		1 Mark

7	$\frac{1}{2}$ of 24 =	
		1 Mark

8	$\frac{1}{4}$ of 40 =	
		1 Mark

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

10	$10 \times 10 =$	
		1 Mark

11		$= \frac{1}{4}$ of 12
		1 Mark

12		$= 83 + 9$
		1 Mark

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/24

13		= 20 - 11
		1 Mark

14	100 - 1 =	
		1 Mark

15	12 ÷ 4 =	
		1 Mark

16	8 ÷ 4 =	
		1 Mark

17		of 24 = 6
		1 Mark

18	100 ÷ 5 =	
		1 Mark

19	45 + 30 =	
		1 Mark

20	$\frac{1}{4}$ of 0 =	
		1 Mark

21	80 ÷ 4 =	
		1 Mark

22	7 × 10 =	
		1 Mark

23		= $\frac{1}{4}$ of 200
		1 Mark

24		= 30 ÷ 10
		1 Mark

Arithmetic Dojo

Year 2 - Summer - Week 1

Name.....

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Score

/24

1 $8 \times 10 =$

1 Mark

2 $50 + 20 =$

1 Mark

3 $\frac{1}{4}$ of 20 =

1 Mark

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

1 Mark

5 $20 \div 4 =$

1 Mark

6 $20 \div 5 =$

1 Mark

7 $\frac{1}{2}$ of 24 =

1 Mark

8 $\frac{1}{4}$ of 40 =

1 Mark

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

1 Mark

10 $10 \times 10 =$

1 Mark

11 = $\frac{1}{4}$ of 12

1 Mark

12 = $83 + 9$

1 Mark

Arithmetic Dojo

Year 2 - Summer - Week 1

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Date.....

Score
/24

13

= 20 - 11

1 Mark

14

100 - 1 =

1 Mark

15

12 ÷ 4 =

1 Mark

16

8 ÷ 4 =

1 Mark

17

of 24 = 6

1 Mark

18

100 ÷ 5 =

1 Mark

19

45 + 30 =

1 Mark

20

$\frac{1}{4}$ of 0 =

1 Mark

21

80 ÷ 4 =

1 Mark

22

7 × 10 =

1 Mark

23

= $\frac{1}{4}$ of 200

1 Mark

24

= 30 ÷ 10

1 Mark

Arithmetic Dojo

Year 2 - Summer - Week 1

Name.....

Class.....

Date.....

Score

/24

1

$8 \times 10 =$

2

$50 + 20 =$

3

$\frac{1}{4} \text{ of } 20 =$

4

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

5

$20 \div 4 =$

6

$20 \div 5 =$

7

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

8

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

9

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

10

$10 \times 10 =$

11

$= \frac{1}{4} \text{ of } 12$

12

$= 83 + 9$

13

$= 20 - 11$

14

$100 - 1 =$

15

$12 \div 4 =$

16

$8 \div 4 =$

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Year 2 - Summer - Week 1

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/24

17

of 24 = 6

18

$100 \div 5 =$

19

$45 + 30 =$

20

$\frac{1}{4}$ of 0 =

21

$80 \div 4 =$

22

$7 \times 10 =$

23

= $\frac{1}{4}$ of 200

24

= $30 \div 10$

Arithmetic Dojo

Year 2 - Summer - Week 1

Answers and Curriculum Strands

1 $8 \times 10 =$

2 $50 + 20 =$

3 $\frac{1}{4}$ of 20 =

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

5 $20 \div 4 =$

6 $20 \div 5 =$

7 $\frac{1}{2}$ of 24 =

8 $\frac{1}{4}$ of 40 =

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

10 $10 \times 10 =$

11 = $\frac{1}{4}$ of 12

12 = $83 + 9$

13 = $20 - 11$

14 $100 - 1 =$

15 $12 \div 4 =$

16 $8 \div 4 =$

17 of 24 = 6

18 $100 \div 5 =$

19 $45 + 30 =$

20 $\frac{1}{4}$ of 0 =

21 $80 \div 4 =$

22 $7 \times 10 =$

23 = $\frac{1}{4}$ of 200

24 = $30 \div 10$

Arithmetic Dojo Year 2 - Summer - Week 1

Answers and Curriculum Strands

Q	Question	Answer	Curriculum Strand
1	$8 \times 10 =$	80	Ma2/2.4a
2	$50 + 20 =$	70	Ma2/2.4a
3	$\frac{1}{4}$ of 20	5	Ma2/2.4a
4	$\frac{1}{2}$ of 16	8	Ma2/2.4a
5	$20 \div 4 =$	5	Ma2/2.4a
6	$20 \div 5 =$	4	Ma2/2.4a
7	$\frac{1}{2}$ of 24 =	12	Ma2/2.4a
8	$\frac{1}{4}$ of 40 =	10	Ma2/2.4a
9	$4 = \frac{1}{4}$ of ____	16	Ma2/2.4a
10	$10 \times 10 =$	100	Ma2/2.4a
11	____ = $\frac{1}{4}$ of 12	3	Ma2/2.4a
12	$83 + 9 =$	32	Ma2/2.4a
13	____ = $20 - 11$	9	Ma2/2.4a
14	$100 - 1 =$	99	Ma2/2.4a
15	$12 \div 4 =$	3	Ma2/2.4a
16	$8 \div 4 =$	2	Ma2/2.4a
17	____ of 24 = 6	$\frac{1}{4}$	Ma2/2.4a
18	$100 \div 5$	20	Ma2/2.4a
19	$45 + 30 =$	75	Ma2/2.4a
20	$\frac{1}{4}$ of 0 =	0	Ma2/2.4a
21	$80 \div 4 =$	20	Ma2/2.4a
22	$7 \times 10 =$	70	Ma2/2.4a
23	____ = $\frac{1}{4}$ of 200	50	Ma2/2.4a
24	____ = $30 \div 10$	3	Ma2/2.4a

Year 3

Arithmetic Paper

Summer Week 1 :arithmetic

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Arithmetic Dojo

Year 3 - Summer - Week 1

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1	$\frac{5}{10} + \frac{2}{10} =$	
		1 Mark

2	$200 - 2 =$	
		1 Mark

3	$30 + 90 =$	
		1 Mark

4	$90 + 30 =$	
		1 Mark

5	+ 80 = 120
	1 Mark

6	$\frac{3}{10} + \frac{4}{10} =$	
		1 Mark

7	$500 - 5 =$	
		1 Mark

8	$3 + \frac{1}{5} =$	
		1 Mark

9	$50 + 80 =$	
		1 Mark

10	= 6 x 3
	1 Mark

11	$60 + 90 =$	
		1 Mark

12	$7 \times 5 =$	
		1 Mark

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13 $1000 + 1 =$

1 Mark

14 $75 - 60 =$

1 Mark

15 $= 25 + 90$

1 Mark

16 $\frac{3}{4}$ of 60 =

1 Mark

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

1 Mark

18 $5 + 8 + 9 =$

1 Mark

19 $45 + 80 =$

1 Mark

20 $= 10 + 10 + 10$

1 Mark

21 $4 \times 3 =$

1 Mark

22 $10 + 95 =$

1 Mark

23 $65 + 70 =$

1 Mark

24 $12 \times 3 =$

1 Mark

Arithmetic Dojo

Year 3 - Summer - Week 1

Name.....

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Score
/24

1

$$\frac{5}{10} + \frac{2}{10} =$$

1 Mark

2

$$200 - 2 =$$

1 Mark

3

$$30 + 90 =$$

1 Mark

4

$$90 + 30 =$$

1 Mark

5

$$\boxed{} + 80 = 120$$

1 Mark

6

$$\frac{3}{10} + \frac{4}{10} =$$

1 Mark

7

$$500 - 5 =$$

1 Mark

8

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

1 Mark

9

$$60 + 80 =$$

1 Mark

10

$$\boxed{} = 6 \times 6$$

1 Mark

11

$$70 + 90 =$$

1 Mark

12

$$7 \times 5 =$$

1 Mark

Arithmetic Dojo

Year 3 - Summer - Week 1

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/24

13 $1000 + 1 =$

1 Mark

14 $75 - 60 =$

1 Mark

15 $= 25 + 90$

1 Mark

16 $\frac{3}{4}$ of 60 =

1 Mark

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

1 Mark

18 $5 + 8 + 9 =$

1 Mark

19 $45 + 80 =$

1 Mark

20 $= 10 + 10 + 10$

1 Mark

21 $4 \times 3 =$

1 Mark

22 $20 + 95 =$

1 Mark

23 $65 + 70 =$

1 Mark

24 $= 12 \times 3$

1 Mark

Arithmetic Dojo

Year 3 - Summer - Week 1

Name.....

Class.....

Date.....

Score

/24

1

$$\frac{5}{10} + \frac{2}{10} =$$

2

$$200 - 2 =$$

3

$$30 + 90 =$$

4

$$90 + 30 =$$

5

$$+ 80 = 120$$

6

$$\frac{3}{10} + \frac{4}{10} =$$

7

$$500 - 5 =$$

8

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

9

$$60 + 80 =$$

10

$$= 6 \times 6$$

11

$$70 + 90 =$$

12

$$7 \times 5 =$$

13

$$1000 + 1 =$$

14

$$75 - 60 =$$

15

$$= 25 + 90$$

16

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

Arithmetic Dojo

Year 3 - Summer - Week 1

Name.....

Class.....

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Score

/24

17

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

18

$$5 + 8 + 9 =$$

19

$$45 + 80 =$$

20

$$\boxed{} = 10 + 10 + 10$$

21

$$4 \times 3 =$$

22

$$20 + 95 =$$

23

$$65 + 70 =$$

24

$$12 \times 3 =$$

Arithmetic Dojo

Year 3 - Summer - Week 1

Answers and Curriculum Strands

1	$5/10 + 2/10 =$	$7/10$
---	-----------------	--------

2	$200 - 2 =$	198
---	-------------	-----

3	$30 + 90 =$	120
---	-------------	-----

4	$90 + 30 =$	120
---	-------------	-----

5	$\boxed{40} + 80 =$	120
---	---------------------	-----

6	$3/10 + 4/10 =$	$7/10$
---	-----------------	--------

7	$500 - 5 =$	495
---	-------------	-----

8	$3 + 1/5 =$	$3 \frac{1}{5}$
---	-------------	-----------------

9	$60 + 80 =$	140
---	-------------	-----

10	$\boxed{36} =$	6×6
----	----------------	--------------

11	$70 + 90 =$	160
----	-------------	-----

12	$7 \times 5 =$	35
----	----------------	----

13	$1000 + 1 =$	1001
----	--------------	------

14	$75 - 60 =$	15
----	-------------	----

15	$\boxed{115} =$	$25 + 90$
----	-----------------	-----------

16	$\frac{3}{4}$ of 60 =	45
----	-----------------------	----

17	$\frac{1}{4} + \frac{1}{4} =$	$\frac{2}{4}$ or $\frac{1}{2}$
----	-------------------------------	--------------------------------

18	$5 + 8 + 9 =$	22
----	---------------	----

19	$45 + 80 =$	125
----	-------------	-----

20	$\boxed{30} =$	$10 + 10 + 10$
----	----------------	----------------

21	$4 \times 3 =$	12
----	----------------	----

22	$20 + 85 =$	105
----	-------------	-----

23	$65 + 70 =$	135
----	-------------	-----

24	$12 \times 3 =$	36
----	-----------------	----

Arithmetic Dojo Year 3 - Summer - Week 1

Answers and Curriculum Strands

Q	Question	Answer	Curriculum Strand
1	$5/10 + 2/10 =$	$7/10$	Ma3/2.2a
2	$200 - 2 =$	198	Ma3/2.2a
3	$30 + 90 =$	120	Ma3/2.2a
4	$90 + 30 =$	120	Ma3/2.2a
5	$\underline{\hspace{1cm}} + 80 = 120$	40	Ma3/2.2a
6	$3/10 + 4/10 =$	$7/10$	Ma3/2.2a
7	$500 - 5 =$	495	Ma3/2.2a
8	$3 + 1/5$	$3 \frac{1}{5}$	Ma3/2.2a
9	$60 + 80 =$	160	Ma3/2.2a
10	$6 \times 6 =$	36	Ma3/2.2a
11	$70 + 90$	160	Ma3/2.2a
12	$7 \times 5 =$	35	Ma3/2.2a
13	$1000 + 1 =$	1001	Ma3/2.2a
14	$75 - 60$	15	Ma3/2.2a
15	$\underline{\hspace{1cm}} = 25 + 90$	115	Ma3/2.2a
16	$\frac{3}{4}$ of 60 =	45	Ma3/2.2a
17	$\frac{1}{4} + \frac{1}{4} =$	$\frac{2}{4}$ or $\frac{1}{2}$	Ma3/2.2a
18	$5 + 8 + 9 =$	22	Ma3/2.2a
19	$45 + 80$	125	Ma3/2.2a
20	$10+10+10 =$	30	Ma3/2.2a
21	$4 \times 3 =$	12	Ma3/2.2a
22	$20 + 85 =$	105	Ma3/2.2a
23	$65 + 70$	135	Ma3/2.2a
24	$12 \times 3 =$	36	Ma3/2.2a

Year 4

Arithmetic Paper

Summer Week 1 :arithmetic

First name						
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Arithmetic Dojo

Year 4 - Summer - Week 1

Arithmetic Dojo

Year 4 - Summer - Week 1

Name..... **Class**..... **Date**.....

Score /28

15 x 7 =

$$2 \mid 9 \times 12 =$$

3 | 1111 - 30 =

4		$\frac{2}{8} + \frac{1}{8} =$
----------	--	-------------------------------

5	$\frac{1}{7} + \frac{4}{7} =$
----------	-------------------------------

6	$4 \times 12 =$
---	-----------------

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

8 | $6660 - 800 =$

9 | $14 \times 5 =$

10	$6 \times 12 =$
----	-----------------

!	$10 \times 6 =$
---	-----------------

1		$\frac{2}{6} + \frac{1}{6} =$
2		

1	$10 \times 16 =$
---	------------------

! $6 \times 16 =$

Arithmetic Dojo

Year 4 - Summer - Week 1

Name..... Class..... Date.....

Score /28

1 $15 \times 7 =$

2 $9 \times 12 =$

3 $1111 - 30 =$

4 $\frac{2}{8} + \frac{1}{8} =$

5 $\frac{1}{7} + \frac{4}{7} =$

6 $4 \times 12 =$

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

8 $6660 - 800 =$

9 $14 \times 5 =$

10 $6 \times 12 =$

11 $10 \times 6 =$

12 $\frac{2}{6} + \frac{1}{6} =$

13 $10 \times 16 =$

14 $6 \times 16 =$

1 5	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$	

1 6	$6 \times 15 =$	

1 7	$5 \times 7 \times 10 =$	

1 8	$7 \times 14 =$	

1 9	$23 \times 5 =$	

2 0		$= 960 \div 3$

2 1	$4450 + 800 =$	

2 2	$10 \times 9 =$	

2 3		$= 7 \times 8$

2 4	$10 \times 10 \times 4 =$	

2 5	$36 \times 6 =$	

2 6	$2200 \div 2 =$	

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

2 8		$= \frac{1}{5} + \frac{2}{5}$

Arithmetic Dojo

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Name.....

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1

$15 \times 7 =$

2

$9 \times 12 =$

3

$1111 - 30 =$

4

$= \frac{2}{8} + \frac{1}{8}$

5

$\frac{1}{7} + \frac{4}{7} =$

6

$4 \times 12 =$

7

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

8

$6660 - 800 =$

9

$14 \times 5 =$

10

$6 \times 12 =$

11

$10 \times 6 =$

12

$= \frac{2}{6} + \frac{1}{6}$

13

$10 \times 16 =$

14

$6 \times 16 =$

15

$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$

16

$6 \times 15 =$

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17

$5 \times 7 \times 10 =$

18

$7 \times 14 =$

19

$23 \times 5 =$

20

$= 960 \div 3$

21

$4450 + 800 =$

22

$10 \times 9 =$

23

$= 7 \times 8$

24

$10 \times 10 \times 4 =$

25

$36 \times 6 =$

26

$2200 \div 2 =$

27

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

28

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

Arithmetic Dojo

Year 4 - Summer - Week 1

Answers and Curriculum Strands

1	$15 \times 7 =$	
----------	-----------------	--

3	$1111 - 30 =$	1081
----------	---------------	------

5	$\frac{1}{7} + \frac{4}{7} =$	$\frac{5}{7}$
----------	-------------------------------	---------------

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

9	$14 \times 5 =$	70
----------	-----------------	----

11	$10 \times 6 =$	60
-----------	-----------------	----

13	$10 \times 16 =$	160
-----------	------------------	-----

15	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$	$\frac{3}{8}$
-----------	---	---------------

17	$5 \times 7 \times 10 =$	350
-----------	--------------------------	-----

19	$23 \times 5 =$	115
-----------	-----------------	-----

21	$4450 + 800 =$	5250
-----------	----------------	------

23	56	$= 7 \times 8$
-----------	----	----------------

25	$36 \times 6 =$	216
-----------	-----------------	-----

27	$\frac{4}{10}$	$= \frac{2}{10} + \frac{2}{10}$
-----------	----------------	---------------------------------

2	$9 \times 12 =$	108
----------	-----------------	-----

4	$\frac{3}{8}$	$= \frac{2}{8} + \frac{1}{8}$
----------	---------------	-------------------------------

6	$4 \times 12 =$	48
----------	-----------------	----

8	$6660 - 800 =$	5860
----------	----------------	------

10	$6 \times 12 =$	72
-----------	-----------------	----

12	$\frac{3}{6}$	$\frac{2}{6} + \frac{1}{6} =$
-----------	---------------	-------------------------------

14	$6 \times 16 =$	96
-----------	-----------------	----

16	$6 \times 15 =$	90
-----------	-----------------	----

18	$7 \times 14 =$	98
-----------	-----------------	----

20	320	$= 960 \div 3$
-----------	-----	----------------

22	$10 \times 9 =$	90
-----------	-----------------	----

24	$10 \times 10 \times 4 =$	400
-----------	---------------------------	-----

26	$2200 \div 2 =$	1100
-----------	-----------------	------

28	$\frac{3}{5}$	$= \frac{1}{5} + \frac{2}{5}$
-----------	---------------	-------------------------------

Arithmetic Dojo Year 4 - Summer - Week 1

Answers and Curriculum Strands

Q	Question	Answer	Curriculum Strand
1	$15 \times 7 =$	105	Ma4/2.2a
2	$9 \times 12 =$	108	Ma4/2.2a
3	$1111 - 30$	1081	Ma4/2.2a
4	$\frac{2}{8} + \frac{1}{8}$	$\frac{2}{8}$	Ma4/2.2a
5	$\frac{1}{7} + \frac{3}{7}$	$\frac{5}{7}$	Ma4/2.3a
6	$4 \times 12 =$	48	Ma4/2.2a
7	$\frac{2}{7} + \frac{3}{7}$	$\frac{5}{7}$	Ma4/2.3a
8	$4440 - 800 =$	3640	Ma4/2.2a
9	$14 \times 5 =$	70	Ma4/2.2a
10	$6 \times 12 =$	72	Ma4/2.2a
11	$10 \times 6 =$	60	Ma4/2.2a
12	$\frac{2}{6} + \frac{1}{6}$	$\frac{3}{6}$	Ma4/2.3a
13	$10 \times 16 =$	160	Ma4/2.2a
14	$6 \times 16 =$	96	Ma4/2.2a
15	$\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$	$\frac{3}{8}$	Ma4/2.2a
16	$6 \times 15 =$	90	Ma4/2.3b
17	$5 \times 7 \times 10 =$	350	Ma4/2.3a
18	$7 \times 14 =$	98	Ma4/2.3a
19	$23 \times 5 =$	115	Ma4/2.2a
20	$960 \div 3$	320	Ma4/2.3a
21	$4450 + 800 =$	5250	Ma4/2.2a
22	$10 \times 9 =$	90	Ma4/2.3a
23	$\underline{\hspace{1cm}} = 7 \times 8$	56	Ma4/2.2a
24	$10 \times 10 \times 4 =$	400	Ma4/2.3a
25	$36 \times 6 =$	216	Ma4/2.3b
26	$2200 \div 1 =$	1100	Ma4/2.3a
27	$\frac{2}{10} + \frac{2}{10}$	$\frac{4}{10}$	Ma4/2.2a
28	$\frac{1}{5} + \frac{2}{5}$	$\frac{3}{5}$	Ma4/2.2a

The Arithmetic Dojo

Year 5

Arithmetic Paper
Summer Week 1 :arithmetic

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DfE number						

Arithmetic Dojo

Year 5 - Summer - Week 1

Arithmetic Dojo

Year 5 - Summer - Week 1

Name..... **Class**..... **Date**.....

Score	/35
--------------------	------------

1	$1.2 + 1.25 =$
---	----------------

1 Mark

2 **888** $\times 4 =$

1 Mark

$$\mathbf{3} \quad \frac{1}{8} + \frac{1}{4} =$$

1 Mark

$$4 \quad \quad \quad = 11 \times 100$$

1 Mark

5	$186 \times 1000 =$
---	---------------------

1 Mark

6 $2211 \div 1000 =$

1 Mark

7 $= 0.5 + 0.25$

1 Mark

8 $\text{[]} = \text{[.]} \times 1000$

1 Mark

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

1 Mark

0.1 + 0.1 =

1 Mark

Arithmetic Dojo

Year 5 - Summer - Week 1

[illegible]

[illegible]

[illegible]

I	$21.1 \times 1000 =$						
4							

1 Mark

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

20		= 4001 + 1209

Arithmetic Dojo

Year 5 - Summer - Week 1

Arithmetic Dojo

Year 5 - Summer - Week 1

[illegible]

$\frac{2}{2}$	$6312 - 234 =$	

1 Mark

[illegible]

2	7.07 ÷ 100 =										
4											
											1 Mark

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Arithmetic Dojo

Year 5 - Summer - Week 1

3 	$8 \times 2 \times 1 =$							

1 Mark

[illegible]

3	3		$= 8^2 + 1^2$

1 Mark

3	1261 + 880 =										
4											

1 Mark

[illegible]

Arithmetic Dojo

Year 5 - Summer - Week 1

Name..... Class..... Date..... Score /35

1 $1.2 + 1.25 =$

1 Mark

2 $888 \times 4 =$

1 Mark

3 $\frac{1}{8} + \frac{1}{4} =$

1 Mark

4 $= 11 \times 100$

1 Mark

5 $186 \times 1000 =$

1 Mark

6 $2211 \div 1000 =$

1 Mark

7 $= 0.5 + 0.25$

1 Mark

8 $= 1.1 \times 1000$

1 Mark

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

1 Mark

10 $0.1 + 0.11 =$

1 Mark

Arithmetic Dojo

Year 5 - Summer - Week 1

$\frac{1}{1}$	$1000 - 1 =$	
1 Mark		

$\frac{1}{2}$	$2^2 + 9^2$	
1 Mark		

$\frac{1}{3}$	$\frac{2}{5} - \frac{1}{10} =$	
1 Mark		

$\frac{1}{4}$	$21.1 \times 1000 =$	
1 Mark		

$\frac{1}{5}$	$= 66000 \div 3$	
1 Mark		

$\frac{1}{6}$	$503 \div 100 =$	
1 Mark		

$\frac{1}{7}$	$\frac{3}{6} - \frac{1}{12} =$	
1 Mark		

$\frac{1}{8}$	$303 \times 1000 =$	
1 Mark		

$\frac{1}{9}$	$3209 - 229 =$	
1 Mark		

$\frac{2}{0}$	$= 4001 + 1209$	
1 Mark		

Arithmetic Dojo

Year 5 - Summer - Week 1

$\frac{2}{1}$		$= 1267 \div 4$
1 Mark		

$\frac{2}{2}$	$6312 - 234 =$	
1 Mark		

$\frac{2}{3}$	$6 \times 0 \times 12 =$	
1 Mark		

$\frac{2}{4}$	$7.07 \div 1000 =$	
1 Mark		

$\frac{2}{5}$	$7.4 \div 10 =$	
1 Mark		

$\frac{2}{6}$	$991 \div 10 =$	
1 Mark		

$\frac{2}{7}$	$733 \times 10 =$	
1 Mark		

$\frac{2}{8}$		$= 10.19 \div 10$
1 Mark		

$\frac{2}{9}$	$0.331 \times 100 =$	
1 Mark		

$\frac{3}{0}$	$3^3 =$	
1 Mark		

Arithmetic Dojo

Year 5 - Summer - Week 1

3 1	$8 \times 2 \times 1 =$	
1 Mark		

3 2	$68 \times 8 =$	
1 Mark		

3 3		$= 8^2 \quad 2$
1 Mark		

3 4	$1261 + 880 =$	
1 Mark		

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

Arithmetic Dojo

Year 5 - Summer - Week 1

Name.....

Class.....

Date.....

Score
/35

1	$1.2 + 1.25 =$	2.45
---	----------------	------

2	$888 \times 4 =$	3552
---	------------------	------

3	$\frac{1}{8} + \frac{1}{4} =$	$\frac{3}{8}$
---	-------------------------------	---------------

4	1100	$= 11 \times 100$
---	------	-------------------

5	$186 \times 1000 =$	1860000
---	---------------------	---------

6	$2211 \div 1000$	2.211
---	------------------	-------

7	0.75	$= 0.5 + 0.25$
---	------	----------------

8	1600	$= 1.6 \times 1000$
---	------	---------------------

9	$\frac{1}{3} + \frac{1}{6} =$	$\frac{3}{6}$ or $\frac{1}{2}$
---	-------------------------------	--------------------------------

10	$0.1 + 0.11$	0.21
----	--------------	------

11	$1000 - 1 =$	999
----	--------------	-----

12	$2^2 + 9^2 =$	85
----	---------------	----

13	$\frac{2}{5} - \frac{1}{10} =$	$\frac{3}{10}$
----	--------------------------------	----------------

14	$21.1 \times 1000 =$	21100
----	----------------------	-------

15	22000	$= 66000 \div 3$
----	-------	------------------

16	$503 \div 100 =$	5.03
----	------------------	------

17	$\frac{3}{6} - \frac{1}{12} =$	$\frac{1}{12}$
----	--------------------------------	----------------

18	$303 \times 1000 =$	303000
----	---------------------	--------

19	$3209 - 229 =$	2980
----	----------------	------

20	5210	$= 4001 + 1209$
----	------	-----------------

Arithmetic Dojo

Year 5 - Summer - Week 1

21

$$\boxed{316 \text{ r } 3} = 1267 \div 4$$

22

$$6312 - 234 = \boxed{3378}$$

23

$$6 \times 0 \times 12 = \boxed{0}$$

24

$$7.07 \div 100 = \boxed{0.0707}$$

25

$$7.4 \div 10 = \boxed{0.74}$$

26

$$991 \div 10 = \boxed{99.1}$$

27

$$733 \times 10 = \boxed{7730}$$

28

$$\boxed{1.019} = 10.19 \div 10$$

29

$$0.331 \times 100 = \boxed{33.1}$$

30

$$3^3 = \boxed{27}$$

31

$$8 \times 2 \times 1 = \boxed{16}$$

32

$$68 \times 8 = \boxed{544}$$

33

$$\boxed{65} = 8^2 + 1^2$$

34

$$1261 + 880 = \boxed{2141}$$

35

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

Answers and Curriculum Strands

Q	Question	Answer	Curriculum Strand
1	$1.2 + 1.25 =$	1.45	Ma5/2.4j
2	$888 \times 4 =$	3552	Ma5/2.3d
3	$\frac{1}{8} + \frac{1}{4} =$	$\frac{3}{8}$	Ma5/2.4d
4	11×100	1100	Ma5/2.3d
5	$186 \times 1000 =$	186000	Ma5/2.3g
6	$2211 \div 1000 =$	2.211	Ma5/2.3g
7	$\underline{\hspace{1cm}} = 0.5 + 0.25$	0.75	Ma5/2.4j
8	$\underline{\hspace{1cm}} = 1.1 \times 1000$	1100	Ma5/2.3h
9	$\frac{1}{3} + \frac{1}{6} =$	$\frac{3}{6}$ or $\frac{1}{2}$	Ma5/2.4d
10	$0.1 + 0.11$	0.21	Ma5/2.4j
11	$1000 - 1 =$	999	Ma5/2.2b
12	$2^2 + 9^2$	85	Ma5/2.3h
13	$\frac{2}{5} - \frac{1}{10} =$	$\frac{3}{10}$	Ma5/2.4d
14	$21.1 \times 1000 =$	21100	Ma5/2.3g
15	$\underline{\hspace{1cm}} = 66000 \div 3$	22000	Ma5/2.3f
16	$503 \div 100 =$	5.03	Ma5/2.3g
17	$\frac{3}{6} - \frac{1}{12} =$	$\frac{5}{12}$	Ma5/2.4d
18	$303 \times 1000 =$	303000	Ma5/2.3g
19	$3209 - 229 =$	2980	Ma52.2b
20	$4001 + 1209 =$	2792	Ma5/2.3h
21	$1267 \div 4 =$	316 r 3	Ma5/2.3f
22	$6312 - 234 =$	3378	Ma5/2.3h
23	$6 \times 0 \times 12 =$	0	Ma5/2.3h
24	$7.07 \div 100 =$	0.0707	Ma5/2.3g

Answers and Curriculum Strands

25	$7.4 \div 10 =$	0.74	Ma5/2.3f
26	$991 \div 10 =$	99.1	Ma5/2.3f
27	$733 \times 10 =$	7730	Ma5/2.3e
28	$10.19 \div 10 =$	1.019	Ma5/2.3g
29	$0.331 \times 100 =$	33.1	Ma5/2.3g
30	$3^3 =$	27	Ma5/2.3h
31	$8 \times 2 \times 1 =$	16	Ma5/2.3h
32	$68 \times 8 =$	544	Ma5/2.3h
33	$\underline{\hspace{1cm}} = 8^2 + 1^2$	65	Ma5/2.3h
34	$1261 + 880 =$	2141	Ma5/2.2a
35	$\frac{1}{3} + \frac{1}{12} =$	$\frac{5}{12}$	Ma5/2.4d

The Arithmetic Dojo

Year 6

Arithmetic Paper

Summer Week 1 :arithmetic

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DfE number						

Instructions

You **must not** use a calculator to answer any questions in this test.

Questions and answers

You have **30 minutes** to complete this test.

Work as quickly and as carefully as you can.

Put your answer in the box for each question.

All answers should be given as a single value.

For questions expressed as common fractions or mixed numbers, you should give your answers as common fractions or mixed numbers.

If you cannot do a question, **go on to the next one**.

You can come back to it later, if you have time.

If you finish before the end, **go back and check your work**.

Marks

The number under each box at the side of the page tells you the number of marks available for each question.

In this test, long division and long multiplication questions are worth **2 marks each**. You will be awarded **2** marks for a correct answer.

You may get **1** mark for showing a formal method.

All other questions are worth **1 mark each**.

1

= 3333 + 100

1 mark

2

= $\frac{3}{10} + \frac{1}{2}$

1 mark

3

820 = 333 +

+ 10

1 mark

4

$= 5 \times (5 \div 1)$

1 mark

5

$5 \times 515 =$

1 mark

6

$5.12 + 2.112 =$

1 mark

7

$$1836 \div 12 =$$

1 mark

8

$$1 \times 8 = 20 - \underline{\quad}$$

1 mark

9

$$1 \times 8 \times 4 =$$

1 mark

10

$$3000 \div 10 =$$

--



1 mark

11

$$\boxed{} = 3105 - 100$$



1 mark

12

$$3002 - \boxed{} = 105$$

11

1 mark

13

$$321 \div 10 =$$



1 mark

14

$$2.321 \times 10 =$$



1 mark

15

$$120 \div (3 \times 2 \times 6) =$$



1 mark

16

$$3^3 - 2^2 =$$

--



1 mark

17

$$300.20 \times 100 =$$



11

1 mark

18

$$30\% \text{ of } 25400 =$$



11

1 mark

19

$$18.11 - 2.99 =$$

--

7

1 mark

20

$$\frac{1}{10} \text{ of } 1120 =$$

7

1 mark

21

$$89.11 - 25.089 =$$

7

1 mark

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

--

1

23

			2	3	2
×				2	3

**Show
your
method**

7

2 marks

$$\frac{2}{5} + \frac{1}{4} + \frac{4}{10} =$$

--



25

6	0	4	8	0
---	---	---	---	---

--



Page 12 of 17

26

$$1\frac{1}{9} + 2\frac{1}{3} + \frac{1}{9} =$$

--



1 mark

27

95% of 90 =

--

1 mark

28

$$\frac{2}{3} \times \frac{2}{5} =$$

A blank coordinate grid. It features a thick blue L-shaped axis forming the left and bottom boundaries. A thin red grid is overlaid on the white background, with vertical lines spaced evenly across the grid.

11

1 mark

29

$$17\% \text{ of } 340 =$$

--

1

1 mark

30

			3	4	1	8
×					3	4

**Show
your
method**

7

2 marks

33

$$1.001 - 0.52 =$$

1 mark

34

$$1 \frac{1}{5} \times 110 =$$

1 mark

35

$$\frac{2}{9} \times 1800 =$$

--

1 mark

36

1	2	1	2	2	4
---	---	---	---	---	---

**Show
your
method**



2 marks

Q	Question	Answer	Curriculum Strand
1	$3333 + 100$	3433	Ma6/2.2h
2	$\frac{3}{10} + \frac{1}{2}$	$\frac{8}{10}$ or $\frac{4}{5}$	Ma6/2.2h
3	$820 = 333 + \underline{\quad} + 10 =$	497	Ma6/2.1a
4	$5 \times (5 \div 1)$	25	Ma6/2.3c
5	$5 \times 515 =$	2575	Ma6/2.2a
6	$5.12 + 2.512$	7.632	Ma6/2.3g
7	$1836 \div 12 =$	153	Ma6/2.2c
8	$1 \times 8 = 20 - \underline{\quad}$	12	Ma6/2.23
9	$1 \times 8 \times 4$	32	Ma6/2.2a
10	$3000 \div 100 =$	300	Ma6/2.2d
11	$\underline{\quad} = 3105 - 100$	3005	Ma6/2.2d
12	$3002 - \underline{\quad} = 105$	2900	Ma6/2.2h
13	$321 \div 10 =$	32.1	Ma6/2.3g
14	$2.321 \times 10 =$	23.21	Ma6/2.2a
15	$120 - (3 \times 2 \times 6) =$	3.33	Ma6/2.2f
16	$3+ - 2^2$	24	Ma6/2.2e
17	$300.20 \times 100 =$	30020	Ma6/2.3g
18	30% of 25400 =	7620	Ma6/2.4b
19	$18.11 - 2.99 =$	15.12	Ma6/2.2d
20	$\frac{1}{10}$ of 1120	112	Ma6/2.3e
21	$89.11 - 22.089 =$	64.021	Ma6/2.2d
22	$2\frac{2}{3} - \frac{1}{3} =$	$2\frac{1}{3}$	Ma6/2.3c
23	$232 \times 23 =$	5336	Ma6/2.2a
24	$\frac{2}{5} + \frac{1}{4} + \frac{4}{10} =$	$\frac{21}{20}$ or $1\frac{1}{20}$	Ma6/2.3c
25	$480 \div 60 =$	8	Ma6/2.2c
26	$1\frac{1}{9} + 2\frac{1}{3} + 1/9 =$	$3\frac{5}{9}$	Ma6/2.3c
27	95% of 90 =	85.5	Ma6/2.4b
28	$\frac{2}{3} \times \frac{2}{5} =$	$\frac{4}{15}$	Ma6/2.3c
29	17% of 340 =	57.8	Ma6/2.4b
30	$3418 \times 34 =$	116212	Ma6/2.2a
31	$\frac{2}{5} \div 3 =$	$\frac{2}{15}$	Ma6/2.3e
32	$1\frac{2}{3} - \frac{3}{6}$	$1\frac{1}{6}$	Ma6/2.3c
33	$1.005 - 0.52$	0.485	Ma6/2.4b
34	$1\frac{1}{5}$ of 110	132	Ma6/2.3e
35	$\frac{2}{9} \times 1800 =$	400	Ma6/2.3e
36	$1224 \div 12 =$	102	Ma6/2.2b