



BROAD HORIZON
— T U I T I O N —

11+ Tuition

Year 3

Week 7

Answers

Name: _____

Date: _____

Starter Task – Quick Revision

Task 1 - spelling NOTE TO TEACHER -

Read out these words to students and read each one twice.

- 1) Pressure**
- 2) Separate**
- 3) Suppose**
- 4) Position**
- 5) Occasionally**

Task 2 – Definitions NOTE TO TEACHER

Read out the words possession and reign and give time for students to define the first one before saying the next one

- 1) Pressure: physical force applied on or against an object by something touching it**
- 2) Occasionally: from time to time or infrequently**

Task 3 - Maths

1) $490 + 494 = 984$

2) $6521 + 8951 = 15472$

3) $946 - 548 = 398$

4) $9459 - 526 = 8933$

5) round 4920 to the nearest 100 **4900**

6) round 4392 to the nearest 1000 **4000**

7) round 4902 to the nearest 1000 **5000**

8) round 8622 to the nearest 1000 **9000**

9) round 1819 to the nearest 1000 **2000**

Task 4 - times tables

You will have 150 seconds to complete the table below from memory.

1) $6 \times 1 = 6$	2) $6 \times 5 = 30$	3) $6 \times 6 = 36$
4) $6 \times 9 = 54$	5) $6 \times 0 = 0$	6) $8 \times 6 = 48$
7) $6 \times 10 = 60$	8) $6 \times 4 = 24$	9) $6 \times 12 = 72$
10) $6 \times 8 = 48$	11) $6 \times 11 = 66$	12) $6 \times 7 = 42$
13) $6 \times 2 = 12$	14) $6 \times 3 = 18$	15) $6 \times 6 = 36$

Math

Mental Arithmetic

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 7

Paper 13	Answer	Paper 14	Answer
1. Count on 6 from 129.	135	1. Count on 7 from 118.	125
2. Count on 7 from 117.	124	2. Count on 6 from 126.	132
3. Count back 6 from 104.	98	3. Count back 7 from 102.	95
4. Count back 8 from 127.	119	4. Count back 8 from 136.	128
5. Count on 40 from 38.	78	5. Count on 50 from 39.	89
6. Count on 40 from 260.	300	6. Count on 50 from 350.	400
7. Count back 40 from 220.	180	7. Count back 40 from 130.	90
8. Count back 50 from 130.	80	8. Count back 50 from 230.	180
9. Is 76 an odd or even number?	even	9. Is 43 an odd or even number?	odd
10. Is 105 an odd or even number?	odd	10. Is 241 an odd or even number?	odd

Complete the following table.

	x 10	x 100	x 1000
57	570	5700	57000
2302	23020	230200	2302000
92	920	9200	92000
306	3060	30600	306000
2467	24670	246700	2467000

Divide the following numbers by 10, 100 and 1000 to complete the table.

	÷ 10	÷ 100	÷ 1000
3000	300	30	3
19000	1900	190	19
79000	7900	790	79
64000	6400	640	64
256000	25600	2560	256

Complete the following table.

	x 10	÷ 10	÷ 100
50700	507000	5070	507
17600	176000	1760	176
6300	63000	630	63
2700	27000	270	27
19300	193000	1930	193

Complete the following table.

	x 10	x 100	x 1000
2	20	200	2000
45	450	4500	45000
94	940	9400	94000
817	8170	81700	817000
6970	69700	697000	6970000

Divide the following numbers by 10, 100 and 1000 to complete the table.

	÷ 10	÷ 100	÷ 1000
9000	900	90	9
89000	8900	890	89
60000	6000	600	60
79000	7900	790	79
720000	72000	7200	720

Complete the following table.

	x 1000	x 10	÷ 100
6700	6700000	67000	67
4900	4900000	49000	49
800	800000	8000	8
1700	1700000	17000	17
3700	3700000	37000	37

Page 10

When you multiply by 10, move the digits one place to the left. When you multiply by 100, move the digits two places to the left. (Use zeros to fill any places to the left of the decimal point which are left empty.) When you're dividing by 10 or 100, you move the digits the same number of places, but to the right.

1) 70

Move 7 one place to the left to give 70.

2) 8

Move 80 one place to the right to give 8.

3) 4

If you multiply 4 by 10 it moves one place to the left to give 40.

4) 5

Move 500 two places to the right to give 5.

5) 800

If you divide 800 by 100 it moves two places to the right to give 8.

6) 900

Move 9 two places to the left to give 900.

7) 10

£1 is 100p. $10 \times 10p = 100p$

8) B

When you multiply 7 by 10 you move 7 one place to the left to give 70.

9) 400

Find 4×100 . Move 4 two places to the left to give 400.

10) 60

Find 10×6 . Move 6 one place to the left to give 60.

11) E

When you divide 150 by 10, you move 150 one place to the right to give 15.

12) £9

10 tickets cost £90, so 1 ticket costs $£90 \div 10$. Move £90 one place to the right to give £9.

13) 120

The horse eats 12 sugar lumps in one week, so in 10 weeks it eats 10×12 . Move 12 one place to the left to give 120.

14) 1200

The horse eats 12 sugar lumps in one week, so in 100 weeks it eats 100×12 . Move 12 two places to the left to give 1200.

Paper 16

1-4 Superbroom lets you do stunts in the air. It has two airbags. It is powered by batteries. There is a place for spell books.

5 *Two of: safety harness, disc brakes, windscreen wipers, dual airbags.*

6 At www.superbrooms.com.

7 Batteries

8 *The advice at the end tells you that you should always wear a helmet.*

9 afternoon

10 buttercup

11 armpit

12 toothache

13-21

Proper nouns	Common nouns	Collective nouns
Birmingham	spider	swarm
Wednesday	chair	team
Matthew	seaweed	herd

22 science

23 scene

24 crescent

25 muscle

26 scissors

27 *Goodbye.*

28 *Watch out!*

29 *Excuse me.*

30 *Thank you.*

Paper 17

- 1 muddy
- 2 it travels quickly through air
- 3 he smacked his lips
- 4 leave some fish for him
- 5 *He did not say anything.*
- 6 *He did not want to abandon his fish.*
- 7 *Delicious/nice to eat.*
- 8 *Any sensible answer drawn from the story,
e.g. that the lion was being unfair or a bully.*
- 9 lantern
- 10 lemonade
- 11 lifeboat
- 12 lollipop
- 13 luggage

14–22

male	female	plural
his	she	them
he	hers	ours
him	her	they

- 23 some, time, me, met, so
- 24 the, her, he, here
- 25 be, cause, us, use
- 26 with, in, it, thin, wit
- 27 rot, other, he, her, the
- 28–30 The farmer stopped and looked at the goat in his garden, while walking past. The goat had eaten all the vegetables and even the farmer's shirt off the washing line! He tried to catch the goat which was not easy in the thick, slimy mud.

9 Past tense p12

- 1 a kept b washed c made d cleaned e caught
f spoke
- 2 a bought b threw c ran d ate
- 3 a rode b tied c enjoyed d sneezed

Changing to Past Tense Answers

Page 1

1. slid
2. mowed
3. visited
4. played
5. read
6. was
7. enjoyed
8. was

Page 2

1. screamed
2. sat
3. grew
4. blew
5. crunched
6. thought, came
7. observed
8. rumbled, was

Page 3

1. were
2. relished
3. listened
4. were
5. studied, passed
6. published
7. knew
8. included

Page 4

1. reasoned
2. jumped
3. heard, whispered
4. pointed

5. dashed
6. swallowed
7. felt
8. whispered

Page 5

1. poured
2. sipped
3. shone
4. crawled
5. arrived
6. was
7. baked
8. tackled

Page 6

1. sliced
2. measured
3. poured
4. attended
5. rolled, was
6. corrected
7. sailed
8. searched

Page 7

1. leaped/leapt
2. snuggled
3. stared
4. threw
5. groaned/looked
6. slapped
7. played
8. was

Page 8

1. announced
2. addressed
3. counted
4. bounded, was
5. downloaded
6. created
7. increased
8. shook

Page 9

1. set
2. blended
3. sang
4. helped
5. yawned
6. heated
7. gathered
8. had

Page 10

1. disagreed
2. painted
3. tossed, turned
4. smiled
5. searched
6. was
7. was
8. were



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Pages 12-13 — Rotation

Warm Up

- 1) a) yes b) no c) yes d) no e) no f) yes
- 2) Number of identical figures: 2
(the first and third figures are identical to the left-hand figure).

Rotate the Figure

3) **D**

The figure has rotated 180 degrees.

Option A has the wrong shading. Option B is the wrong shape. Option C is a reflection.

4) **B**

The figure has rotated 270 degrees clockwise (or 90 degrees anticlockwise). Option A has the wrong black shape. Option C has the wrong shading. In option D, the black cross is in the centre of the figure.

5) **D**

The figure has rotated 90 degrees. In option A, the shapes are the wrong size. In option B, the line types have swapped. In option C, the small shape is rotated incorrectly.

Complete the Series

6) **A**

The figure rotates 90 degrees anticlockwise in each series square.

7) **E**

The figure rotates 180 degrees in each series square.

8) **A**

The figure rotates 45 degrees clockwise in each series square.

You will have 200 seconds to complete the table below from memory.

1) $7 \times 9 = 63$	2) $7 \times 5 = 35$	3) $7 \times 2 = 14$
4) $7 \times 5 = 35$	5) $6 \times 7 = 42$	6) $8 \times 7 = 56$
7) $7 \times 2 = 14$	8) $7 \times 2 = 14$	9) $7 \times 11 = 77$
10) $7 \times 8 = 56$	11) $7 \times 2 = 14$	12) $7 \times 5 = 35$
13) $7 \times 9 = 63$	14) $7 \times 5 = 35$	15) $7 \times 6 = 42$
16) $7 \times 2 = 14$	17) $7 \times 7 = 49$	18) $7 \times 5 = 3$
19) $7 \times 2 = 14$	20) $8 \times 7 = 56$	21) $12 \times 7 = 84$
22) $7 \times 7 = 49$	23) $0 \times 7 = 0$	24) $7 \times 7 = 49$
25) $8 \times 7 = 56$	26) $7 \times 6 = 42$	27) $7 \times 11 = 77$
28) $1 \times 7 = 7$	29) $7 \times 8 = 56$	30) $7 \times 4 = 28$
31) $7 \times 9 = 49$	32) $7 \times 10 = 70$	33) $7 \times 9 = 63$
34) $7 \times 7 = 49$	35) $7 \times 4 = 28$	36) $7 \times 5 = 28$
37) $7 \times 12 = 84$	38) $7 \times 11 = 77$	39) $7 \times 0 = 0$

If you've achieved below 35/39 learn the 7 times tables before you move on to the next worksheet

You will have 200 seconds to complete the table below from memory.

1) $7 \times 8 = 56$	2) $7 \times 9 = 63$	3) $7 \times 8 = 56$
4) $7 \times 8 = 56$	5) $7 \times 7 = 49$	6) $8 \times 7 = 56$
7) $7 \times 1 = 7$	8) $7 \times 8 = 56$	9) $7 \times 11 = 77$
10) $7 \times 8 = 56$	11) $7 \times 4 = 28$	12) $7 \times 9 = 63$
13) $7 \times 9 = 63$	14) $7 \times 7 = 49$	15) $7 \times 4 = 28$
16) $7 \times 7 = 49$	17) $1 \times 7 = 7$	18) $7 \times 9 = 63$
19) $7 \times 1 = 7$	20) $8 \times 7 = 56$	21) $5 \times 7 = 35$
22) $7 \times 8 = 56$	23) $7 \times 7 = 49$	24) $7 \times 5 = 35$
25) $8 \times 7 = 56$	26) $12 \times 7 = 84$	27) $7 \times 11 = 77$
28) $7 \times 7 = 49$	29) $7 \times 9 = 63$	30) $7 \times 0 = 0$
31) $9 \times 7 = 63$	32) $7 \times 12 = 84$	33) $7 \times 8 = 56$
34) $7 \times 8 = 56$	35) $7 \times 4 = 28$	36) $7 \times 9 = 63$
37) $7 \times 12 = 84$	38) $7 \times 11 = 77$	39) $7 \times 7 = 49$

If you've achieved below 35/39 learn the 7 times tables before you move on to the next worksheet

You will have 180 seconds to complete the table below from memory.

This worksheet will now include 2, 3, 4, 5, 6 and 10 times tables as you are already expected to know them

1) $8 \times 2 = 16$	2) $4 \times 5 = 20$	3) $4 \times 2 = 8$
4) $5 \times 7 = 35$	5) $5 \times 8 = 40$	6) $12 \times 6 = 72$
7) $3 \times 10 = 30$	8) $10 \times 2 = 20$	9) $0 \times 11 = 0$
10) $5 \times 8 = 40$	11) $7 \times 2 = 14$	12) $7 \times 5 = 35$
13) $2 \times 9 = 18$	14) $5 \times 5 = 25$	15) $5 \times 6 = 30$
16) $3 \times 2 = 6$	17) $10 \times 9 = 90$	18) $8 \times 5 = 40$
19) $5 \times 2 = 10$	20) $4 \times 6 = 24$	21) $0 \times 6 = 0$
22) $10 \times 7 = 70$	23) $5 \times 12 = 60$	24) $2 \times 3 = 6$
25) $6 \times 7 = 42$	26) $10 \times 3 = 30$	27) $6 \times 11 = 66$
28) $5 \times 6 = 30$	29) $7 \times 8 = 56$	30) $2 \times 4 = 8$
31) $10 \times 7 = 70$	32) 50	33) $12 \times 5 = 60$
34) $3 \times 7 = 21$	35) $10 \times 11 = 110$	36) $6 \times 5 = 30$

You will have 180 seconds to complete the table below from memory.

This worksheet will now include 2, 3, 4, 5, 6 and 10 times tables as you are already expected to know them

1) $9 \times 2 = 18$	2) $9 \times 5 = 45$	3) $4 \times 6 = 24$
4) $9 \times 4 = 36$	5) $5 \times 5 = 25$	6) $12 \times 6 = 72$
7) $7 \times 11 = 77$	8) $12 \times 2 = 24$	9) $7 \times 10 = 70$
10) $5 \times 4 = 20$	11) $7 \times 10 = 70$	12) $7 \times 9 = 63$
13) $2 \times 9 = 18$	14) $5 \times 0 = 0$	15) $5 \times 9 = 45$
16) $5 \times 6 = 30$	17) $10 \times 4 = 40$	18) $4 \times 5 = 20$
19) $5 \times 2 = 10$	20) $6 \times 8 = 48$	21) $7 \times 4 = 28$
22) $12 \times 3 = 36$	23) $5 \times 11 = 55$	24) $2 \times 6 = 12$
25) $7 \times 6 = 42$	26) $10 \times 7 = 70$	27) $9 \times 11 = 99$
28) $5 \times 5 = 25$	29) $3 \times 4 = 12$	30) $2 \times 4 = 8$
31) $10 \times 4 = 40$	32) $2 \times 10 = 20$	33) $12 \times 10 = 120$
34) $5 \times 4 = 20$	35) $10 \times 11 = 110$	36) $7 \times 5 = 35$