



BROAD HORIZON
— T U I T I O N —

Tuition

Year 3

Week 6

ANSWERS

Name: _____

Date: _____

Maths

Mental Arithmetic

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 6			
Paper 11	Answer	Paper 12	Answer
1. Two pieces of string are 45cm and 35cm long. What is their total length?	80 cm	1. Two pieces of string are 38cm and 42cm long. What is their total length?	80 cm
2. A roll of tape was 6 metres long. How much tape would there be in two rolls?	12 m	2. A roll of tape was 7 metres long. How much tape would there be in two rolls?	14 m
3. An egg weighs about 50g. About how much would two eggs weigh?	100g	3. An egg weighs about 50g. About how much would four eggs weigh?	200g
4. An apple weighs about 100g. About how much would three apples weigh?	300g	4. An apple weighs about 100g. About how much would five apples weigh?	500g
5. What number is half way between 30 and 50?	40	5. What number is half way between 50 and 70?	60
6. What is one tenth of 40?	4	6. What is one tenth of 70?	7
7. I think of a number and subtract 12. The answer is 20. What is my number?	32	7. I think of a number and subtract 11. The answer is 40. What is my number?	51
8. I think of a number and subtract 15. The answer is 40. What is my number?	55	8. I think of a number and subtract 20. The answer is 50. What is my number?	70
9. A box holds 50 pencils. How many are left in the box if 20 are taken out?	30	9. A box holds 50 pencils. How many are left in the box if 25 are taken out?	25
10. A packet has 60 sweets in it. How many are left if 30 are taken out?	30	10. A packet has 60 sweets in it. How many are left if 20 are taken out?	40

Paper 14

- 1 a bow and two swords
- 2 its surroundings
- 3 we don't know
- 4 It was curiously carved.
- 5 *It was warm and sunny.*
- 6 *The snake burst/popped.*
- 7 *Because he did not run away when he saw the snake.*
- 8 *Because the dwarf admired his bravery.*
- 9 ghost
- 10 sword
- 11 knee
- 12 bomb
- 13 knight
- 14 scissors
- 15 Although tired and hungry, Tuhil struggled on.
- 16 When you hear the bell, go outside.
- 17 Hot and panting, Hannah ran to catch the bus.
- 18 Monty sprinted down the valley, jumping the trickling stream.
- 19-22 salmon, spacecraft, deer, sheep
- 23 bicycle – *a two-wheeled vehicle*
- 24 library – *a room or building where books or other collections are kept*
- 25 potatoes – *a part of a plant that is eaten after being cooked*
- 26 history – *the study of things that happened in the past*
- 27 gym
- 28 Egypt
- 29 mystery
- 30 pyramid

Paper 15

- 1 two-thirds
- 2 five
- 3 giant squid, whales
- 4 the deep sea angler
- 5 During the day.
- 6 *It makes them almost invisible. They live in the dark zone.*
- 7 *Clever*

- 8 *So that it can swallow fish twice its size.*
- 9 They have lost their dog.
- 10 We have walked all the way home.
- 11 Mum has cooked spaghetti for tea.
- 12 I have listened carefully to the instructions.
- 13 He has played a good game of football.
- 14 You have made a beautiful sculpture.
- 15 Taylor's
- 16 Sam's
- 17 Jack's
- 18 Laura's
- 19-20 sleepier, sleepiest
- 21-22 funnier, funniest
- 23-24 smellier, smelliest
- 25-26 messier, messiest
- 27 *shouted*
- 28 *screamed*
- 29 *moaned*
- 30 *called*

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

English – Grammar

Verbs

7 Verbs p10

- 1 a kicked b is c tied d rode
2 a plays b fly c goes/carries d sing
e choose f waits walk
3 Answers will vary.

8 Similar verbs p11

- 1 Answers will vary.
2 Answers will vary.

Regular and Irregular Verbs in Sentences

Answers

1. I **studied** for the test last night.
2. On the weekend I **played** football in the park
3. Last week I **wrote** a letter to my friend.
4. Last night for dinner, I **ate** steak and chips with vegetables.
5. My mum **smiled** when I gave her my surprise.
6. Last weekend, I **went** to the movies with my friends.
7. When I was at the shops I **saw** my teacher from school.
8. On the way to school I **listened** to my favourite band.
9. Last night, I **did** my homework after dinner.
10. Today during art, I **painted** my best artwork ever!
11. Last weekend I **had** a sleepover with my friends.
12. I went to my first camp, and I **liked** it.
13. On Monday, I **visited** my grandparents.
14. I got in trouble yesterday because I **broke** my mums favourite vase
15. When I got home from soccer, I **sent** my dad a message to tell him I was home.
16. On the weekend, my sister **cleaned** the whole house from top to bottom!
17. My mum let me stay up late and I **watched** the end of the TV show.
18. He **was** going to let me join the game before I got angry.



visit [twinkl.com.au](https://www.twinkl.com.au)



Is It a Noun or Is It a Verb?

Answers

1. a) verb noun
b) noun, verb
c) verb, noun

2. a) verb
b) noun
c) verb

3. a) Write a sentence using the word 'display' as a verb.
e.g. Mum proudly put George's certificate on the wall to display it.
Write a sentence using the word 'display' as a noun.
e.g. The teachers worked hard to put up the display before the children arrived.

- b) Write a sentence using the word 'scratch' as a verb.
e.g. The flea-ridden cat used its claws to scratch its fur.
Write a sentence using the word 'scratch' as a noun.
e.g. Miss Verity would not be pleased when she saw the scratch down the side of her new car.

4. Various answers possible.



visit [twinkl.com](https://www.twinkl.com)



Is It a Noun or Is It a Verb?

Answers

1. a) **noun, verb.**
b) **noun, verb.**
c) **verb, noun.**

2. a) Write a sentence using the word 'smile' as a verb.

e.g. Hamza started to smile as he looked at the photo.

Write a sentence using the word 'smile' as a noun.

e.g. A smile spread across Maria's face as her brother cheered her up.

- b) Write a sentence using the word 'pop' as a verb.

e.g. The children rushed to pop the balloons.

Write a sentence using the word 'pop' as a noun.

e.g. The football burst with a loud 'pop!'.

- c) Write a sentence using the word 'fly' as a verb.

e.g. Brian couldn't wait to fly to Spain for his holiday.

Write a sentence using the word 'fly' as a noun.

e.g. The fly was buzzing around Liam's head.

- d) Write a sentence using the word 'look' as a verb.

e.g. Bethan tried desperately to look for her missing phone.

Write a sentence using the word 'look' as a noun.

e.g. Rachael promised to have a look for the keys.

3. **Various answers possible.**

Is It a Noun or Is It a Verb?

Answers

1. a) verb, noun.

b) noun, verb.

c) verb, noun.

2. a) Write a sentence using the word 'display' as a verb.

e.g. Mum proudly put George's certificate on the wall to display it.

Write a sentence using the word 'display' as a noun.

e.g. The teachers worked hard to put up the display before the children arrived.

b) Write a sentence using the word 'scratch' as a verb.

e.g. The flea-ridden cat used its claws to scratch its fur.

Write a sentence using the word 'scratch' as a noun.

e.g. Miss Verity would not be pleased when she saw the scratch down the side of her new car.

c) Write a sentence using the word 'wave' as a verb.

e.g. The Year 6 pupils started to wave through the coach windows as they left for their residential trip.

Write a sentence using the word 'wave' as a noun.

e.g. The wave knocked the surfer straight off his surfboard.

d) Write a sentence using the word 'lift' as a verb.

e.g. The weightlifter tried to lift the heavy bar.

Write a sentence using the word 'lift' as a noun.

e.g. The lazy man caught the lift to go up just one floor.

e) Write a sentence using the word 'land' as a verb.

e.g. Under immense pressure, the brave pilot managed to land the plane with only one engine.

Write a sentence using the word 'land' as a noun.

e.g. The farmer used a horse to help to plough the land.

3. Various answers possible.

Non-Verbal

Order and Position

Pages 10-11 — Order and Position

Warm Up

- 1) a) top b) right c) left
 d) top e) bottom f) right
- 2) Number of figures with the same order of small shapes: 2
(the first and third figures both go clockwise in the order: star, triangle, square).

4

Find the Figure Like the First Three

3) A

All figures must have a white circle on the right-hand side of the large rectangle.

4) C

In all figures, the shapes must go from top to bottom in the order: triangle, square, circle. (The order of the shapes is always the same if you start from wherever the triangle is and move down. When the order reaches the bottom, it starts again from the top.)

5) D

All figures must have two white squares. Inside the top square there must be a star. Inside the bottom square there must be a circle.

Complete the Pair

6) D

The top star moves down and the bottom star moves up so that they are centred inside each other.

7) D

The left-hand object on the shelf swaps places with the middle object.

8) A

The car in the bottom left-hand corner of the figure moves up one place, and the car on the right-hand side moves down one place.

1) $6 \times 9 = 54$	2) $6 \times 5 = 30$	3) $6 \times 2 = 12$
4) $6 \times 5 = 30$	5) $6 \times 6 = 36$	6) $8 \times 6 = 48$
7) $6 \times 2 = 12$	8) $6 \times 2 = 12$	9) $6 \times 11 = 66$
10) $6 \times 8 = 48$	11) $6 \times 2 = 12$	12) $6 \times 5 = 30$
13) $6 \times 9 = 54$	14) $6 \times 5 = 30$	15) $6 \times 6 = 36$
16) $6 \times 2 = 12$	17) $6 \times 7 = 42$	18) $6 \times 5 = 30$
19) $6 \times 2 = 12$	20) $8 \times 6 = 48$	21) $12 \times 6 = 72$
22) $6 \times 6 = 36$	23) $0 \times 6 = 0$	24) $6 \times 6 = 36$
25) $8 \times 6 = 48$	26) $7 \times 6 = 42$	27) $6 \times 11 = 66$
28) $1 \times 6 = 6$	29) $6 \times 6 = 36$	30) $6 \times 4 = 24$
31) $6 \times 7 = 42$	32) $6 \times 10 = 60$	33) $6 \times 9 = 54$
34) $6 \times 7 = 42$	35) $6 \times 4 = 24$	36) $6 \times 5 = 30$
37) 72	38) $6 \times 11 = 66$	39) $6 \times 0 = 0$

.

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

1) $6 \times 8 = 48$	2) $6 \times 9 = 54$	3) $6 \times 8 = 48$
4) $6 \times 8 = 48$	5) 36	6) $8 \times 6 = 48$
7) $6 \times 1 = 6$	8) $6 \times 8 = 48$	9) $6 \times 11 = 66$
10) $6 \times 8 = 48$	11) $6 \times 4 = 24$	12) $6 \times 9 = 54$
13) $6 \times 9 = 54$	14) $6 \times 6 = 36$	15) $6 \times 4 = 24$
16) 36	17) $1 \times 6 = 6$	18) $6 \times 9 = 54$
19) $6 \times 1 = 6$	20) $8 \times 6 = 48$	21) $5 \times 6 = 30$
22) $6 \times 8 = 48$	23) $6 \times 6 = 36$	24) $6 \times 5 = 30$
25) $8 \times 6 = 48$	26) $12 \times 6 = 72$	27) $6 \times 11 = 66$
28) $6 \times 6 = 36$	29) $6 \times 9 = 54$	30) $6 \times 0 = 0$
31) $9 \times 6 = 54$	32) $6 \times 12 = 72$	33) $6 \times 6 = 36$
34) $6 \times 8 = 48$	35) $6 \times 6 = 36$	36) $6 \times 9 = 54$
37) $6 \times 6 = 36$	38) $6 \times 11 = 66$	39) $6 \times 7 = 42$

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

If you've achieved below 32/36 learn the y times tables again and revisit your 2, 5 and 10 times tables before you move on to the next worksheet

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

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

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

1) $9 \times 2 = 18$	2) $9 \times 5 = 45$	3) $4 \times 4 = 16$
4) $9 \times 6 = 54$	5) $5 \times 5 = 25$	6) $12 \times 2 = 24$
7) $3 \times 11 = 33$	8) $12 \times 2 = 24$	9) $7 \times 10 = 70$
10) $5 \times 4 = 20$	11) $6 \times 10 = 60$	12) $4 \times 9 = 36$
13) $2 \times 9 = 18$	14) $5 \times 0 = 0$	15) $5 \times 9 = 45$
16) $3 \times 6 = 18$	17) $10 \times 4 = 40$	18) $4 \times 5 = 20$
19) $5 \times 2 = 10$	20) $6 \times 8 = 48$	21) $7 \times 3 = 21$
22) $12 \times 4 = 48$	23) $5 \times 11 = 55$	24) $2 \times 4 = 8$
25) $6 \times 3 = 18$	26) $10 \times 4 = 20$	27) $9 \times 11 = 99$
28) 25	29) $6 \times 4 = 24$	30) $2 \times 4 = 8$
31) $10 \times 4 = 40$	32) $2 \times 10 = 20$	33) $12 \times 10 = 120$
34) $3 \times 4 = 12$	35) $10 \times 11 = 110$	36) $4 \times 5 = 20$

If you've achieved below 32/36 learn the y times tables again and revisit your 2, 5 and 10 times