



BROAD HORIZON
— T U I T I O N —

11+ Tuition

Year 3

Week 09

ANSWERS

Name: _____

Date: _____



Lesson Format

	Have You....	Y/N
1.	Arrival (10mins prior to lesson)	
2.	Prompt start-Registration/Greeting (2mins)	
3.	Homework Marked & Recorded (30-45mins)	
4.	Vocabulary Test & Marks Recorded (5mins)	
5.	Maths Starter/Mental Maths & Marks Taken (5mins)	
6.	Break 1 (10mins)* op. to provide 1.1/Consolidation activities e.g. NVR/Spatial Activities, Tutorials	
7.	Maths (30-40mins)	
8.	Spag (20mins)	
9.	Break 2 (10mins)* op. to provide 1.1/Consolidation activities e.g. NVR/Spatial Activities, Tutorials	
10.	English Comprehension (30-40mins)	
11.	Verbal Reasoning (20-30mins)	
12.	Non-verbal reasoning (20-30mins)	
13.	Homework set (10mins)	
14.	Dismissal & Parent Feedback (5-15mins)	
15.	Conversations/Notes Recorded onto Trello (10-15mins)	

Starter Task – Quick Revision

Task 1 - spelling NOTE TO TEACHER -

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

- 1) particular**
- 2) naughty**
- 3) medicine**
- 4) material**
- 5) breathe**

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) Material: the matter from which a thing is or can be made.**
- 2) Particular: used to single out an individual member of a specified group or class**

Task 3 – Maths

Last lesson we covered column multiplication, use this to help you work out the appropriate sums. (Draw the table for column multiplication yourself)

1) $82 \times 1000 = 82000$

2) $9252 \times 10 = 92520$

3) $56000 \div 100 = 560$

4) $624 \times 1000 = 624000$

5) $32500 \div 10 = 3250$

6) $76 \times 5 = 380$

7) $99 \times 3 = 297$

8) $92 \times 4 = 368$

9) $6 \times 124 = 744$

10) $905 \times 3 = 2715$

Task 4 - times tables

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

1) $11 \times 12 = 132$	2) $11 \times 5 = 55$	3) $11 \times 6 = 66$
4) $11 \times 7 = 77$	5) $11 \times 9 = 99$	6) $11 \times 8 = 88$
7) $11 \times 10 = 110$	8) $11 \times 2 = 22$	9) $11 \times 3 = 121$
10) $11 \times 8 = 88$	11) $11 \times 11 = 121$	12) $11 \times 5 = 55$
13) $11 \times 7 = 77$	14) $11 \times 4 = 44$	15) $11 \times 6 = 66$

Maths

Mental Arithmetic

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 9					
Paper 17		Answer	Paper 18		Answer
1. Share 8 by 2.		4	1. Share 10 by 2.		5
2. Share 16 by 2.		8	2. Share 20 by 2.		10
3. What is one tenth of 40?		4	3. What is one tenth of 20?		2
4. What is one tenth of 30?		3	4. What is one tenth of 60?		6
5. An apple has been divided into four equal parts. What fraction is one part?		1/4	5. An orange has been divided into three equal parts. What fraction is one part?		1/3
6. A large bottle of lemonade has been poured into 10 equal glasses. What fraction of the whole bottle is one glass?		1/10	6. A jelly has been divided into 5 equal dishes. What fraction of the whole jelly is one dish?		1/5
7. What number is halfway between 4 and 5?		4½	7. What number is half way between 8 and 9?		8½
8. What number is halfway between 12 and 13?		12½	8. What number is half way between 11 and 12?		11½
9. How many quarters make one whole one?		4	9. How many halves make one whole one?		2
10. How many fifths make one whole one?		5	10. How many tenths make one whole one?		10

Short Division – no remainders

Name : _____ Score : _____

Teacher : _____ Date : _____

$$2 \overline{)154} \begin{array}{r} 77 \\ \end{array}$$

$$5 \overline{)285} \begin{array}{r} 57 \\ \end{array}$$

$$4 \overline{)332} \begin{array}{r} 83 \\ \end{array}$$

$$4 \overline{)188} \begin{array}{r} 47 \\ \end{array}$$

$$3 \overline{)99} \begin{array}{r} 33 \\ \end{array}$$

$$5 \overline{)100} \begin{array}{r} 20 \\ \end{array}$$

$$4 \overline{)52} \begin{array}{r} 13 \\ \end{array}$$

$$2 \overline{)144} \begin{array}{r} 72 \\ \end{array}$$

$$2 \overline{)32} \begin{array}{r} 16 \\ \end{array}$$

$$3 \overline{)78} \begin{array}{r} 26 \\ \end{array}$$

$$4 \overline{)224} \begin{array}{r} 56 \\ \end{array}$$

$$5 \overline{)215} \begin{array}{r} 43 \\ \end{array}$$

$$3 \overline{)276} \begin{array}{r} 92 \\ \end{array}$$

$$3 \overline{)99} \begin{array}{r} 33 \\ \end{array}$$

$$3 \overline{)42} \begin{array}{r} 14 \\ \end{array}$$

$$5 \overline{)225} \begin{array}{r} 45 \\ \end{array}$$

$$2 \overline{)170} \begin{array}{r} 85 \\ \end{array}$$

$$4 \overline{)92} \begin{array}{r} 23 \\ \end{array}$$

$$5 \overline{)65} \begin{array}{r} 13 \\ \end{array}$$

$$2 \overline{)42} \begin{array}{r} 21 \\ \end{array}$$

Name : _____ Score : _____

Teacher : _____ Date : _____

$$3 \overline{)213} \begin{array}{r} 71 \\ \end{array}$$

$$3 \overline{)165} \begin{array}{r} 55 \\ \end{array}$$

$$2 \overline{)136} \begin{array}{r} 68 \\ \end{array}$$

$$4 \overline{)280} \begin{array}{r} 70 \\ \end{array}$$

$$2 \overline{)52} \begin{array}{r} 26 \\ \end{array}$$

$$4 \overline{)72} \begin{array}{r} 18 \\ \end{array}$$

$$5 \overline{)375} \begin{array}{r} 75 \\ \end{array}$$

$$4 \overline{)264} \begin{array}{r} 66 \\ \end{array}$$

$$5 \overline{)285} \begin{array}{r} 57 \\ \end{array}$$

$$4 \overline{)120} \begin{array}{r} 30 \\ \end{array}$$

$$2 \overline{)198} \begin{array}{r} 99 \\ \end{array}$$

$$5 \overline{)250} \begin{array}{r} 50 \\ \end{array}$$

$$3 \overline{)165} \begin{array}{r} 55 \\ \end{array}$$

$$4 \overline{)280} \begin{array}{r} 70 \\ \end{array}$$

$$3 \overline{)66} \begin{array}{r} 22 \\ \end{array}$$

$$5 \overline{)185} \begin{array}{r} 37 \\ \end{array}$$

$$5 \overline{)320} \begin{array}{r} 64 \\ \end{array}$$

$$2 \overline{)28} \begin{array}{r} 14 \\ \end{array}$$

$$3 \overline{)204} \begin{array}{r} 68 \\ \end{array}$$

$$2 \overline{)106} \begin{array}{r} 53 \\ \end{array}$$

Name : _____ Score : _____

Teacher : _____ Date : _____

$$3 \overline{)90} \begin{array}{r} 30 \\ \end{array}$$

$$4 \overline{)320} \begin{array}{r} 80 \\ \end{array}$$

$$2 \overline{)114} \begin{array}{r} 57 \\ \end{array}$$

$$4 \overline{)224} \begin{array}{r} 56 \\ \end{array}$$

$$5 \overline{)165} \begin{array}{r} 33 \\ \end{array}$$

$$2 \overline{)102} \begin{array}{r} 51 \\ \end{array}$$

$$2 \overline{)136} \begin{array}{r} 68 \\ \end{array}$$

$$4 \overline{)56} \begin{array}{r} 14 \\ \end{array}$$

$$3 \overline{)87} \begin{array}{r} 29 \\ \end{array}$$

$$5 \overline{)265} \begin{array}{r} 53 \\ \end{array}$$

$$3 \overline{)255} \begin{array}{r} 85 \\ \end{array}$$

$$2 \overline{)116} \begin{array}{r} 58 \\ \end{array}$$

$$2 \overline{)28} \begin{array}{r} 14 \\ \end{array}$$

$$5 \overline{)230} \begin{array}{r} 46 \\ \end{array}$$

$$5 \overline{)115} \begin{array}{r} 23 \\ \end{array}$$

$$3 \overline{)159} \begin{array}{r} 53 \\ \end{array}$$

$$5 \overline{)230} \begin{array}{r} 46 \\ \end{array}$$

$$4 \overline{)188} \begin{array}{r} 47 \\ \end{array}$$

$$3 \overline{)264} \begin{array}{r} 88 \\ \end{array}$$

$$4 \overline{)336} \begin{array}{r} 84 \\ \end{array}$$

Name : _____ Score : _____

Teacher : _____ Date : _____

$$\begin{array}{r} 58 \text{ r } 1 \\ 3 \overline{)175} \end{array}$$

$$\begin{array}{r} 97 \text{ r } 2 \\ 4 \overline{)390} \end{array}$$

$$\begin{array}{r} 91 \text{ r } 3 \\ 4 \overline{)367} \end{array}$$

$$\begin{array}{r} 20 \text{ r } 2 \\ 5 \overline{)102} \end{array}$$

$$\begin{array}{r} 19 \text{ r } 1 \\ 2 \overline{)39} \end{array}$$

$$\begin{array}{r} 57 \text{ r } 3 \\ 5 \overline{)288} \end{array}$$

$$\begin{array}{r} 77 \text{ r } 1 \\ 3 \overline{)232} \end{array}$$

$$\begin{array}{r} 13 \text{ r } 1 \\ 2 \overline{)27} \end{array}$$

$$\begin{array}{r} 49 \text{ r } 2 \\ 5 \overline{)247} \end{array}$$

$$\begin{array}{r} 19 \text{ r } 2 \\ 3 \overline{)59} \end{array}$$

$$\begin{array}{r} 85 \text{ r } 2 \\ 5 \overline{)427} \end{array}$$

$$\begin{array}{r} 42 \text{ r } 1 \\ 2 \overline{)85} \end{array}$$

$$\begin{array}{r} 37 \text{ r } 3 \\ 4 \overline{)151} \end{array}$$

$$\begin{array}{r} 95 \text{ r } 1 \\ 3 \overline{)286} \end{array}$$

$$\begin{array}{r} 80 \text{ r } 1 \\ 4 \overline{)321} \end{array}$$

$$\begin{array}{r} 94 \text{ r } 2 \\ 3 \overline{)284} \end{array}$$

$$\begin{array}{r} 94 \text{ r } 1 \\ 2 \overline{)189} \end{array}$$

$$\begin{array}{r} 77 \text{ r } 1 \\ 2 \overline{)155} \end{array}$$

$$\begin{array}{r} 24 \text{ r } 2 \\ 4 \overline{)98} \end{array}$$

$$\begin{array}{r} 99 \text{ r } 2 \\ 5 \overline{)497} \end{array}$$

Name : _____ Score : _____

Teacher : _____ Date : _____

$$3 \overline{)80} \begin{array}{r} 26 \text{ r } 2 \end{array}$$

$$2 \overline{)123} \begin{array}{r} 61 \text{ r } 1 \end{array}$$

$$2 \overline{)133} \begin{array}{r} 66 \text{ r } 1 \end{array}$$

$$5 \overline{)52} \begin{array}{r} 10 \text{ r } 2 \end{array}$$

$$5 \overline{)417} \begin{array}{r} 83 \text{ r } 2 \end{array}$$

$$4 \overline{)370} \begin{array}{r} 92 \text{ r } 2 \end{array}$$

$$4 \overline{)73} \begin{array}{r} 18 \text{ r } 1 \end{array}$$

$$4 \overline{)238} \begin{array}{r} 59 \text{ r } 2 \end{array}$$

$$2 \overline{)53} \begin{array}{r} 26 \text{ r } 1 \end{array}$$

$$4 \overline{)169} \begin{array}{r} 42 \text{ r } 1 \end{array}$$

$$3 \overline{)38} \begin{array}{r} 12 \text{ r } 2 \end{array}$$

$$5 \overline{)172} \begin{array}{r} 34 \text{ r } 2 \end{array}$$

$$2 \overline{)165} \begin{array}{r} 82 \text{ r } 1 \end{array}$$

$$5 \overline{)144} \begin{array}{r} 28 \text{ r } 4 \end{array}$$

$$2 \overline{)45} \begin{array}{r} 22 \text{ r } 1 \end{array}$$

$$3 \overline{)166} \begin{array}{r} 55 \text{ r } 1 \end{array}$$

$$4 \overline{)254} \begin{array}{r} 63 \text{ r } 2 \end{array}$$

$$3 \overline{)43} \begin{array}{r} 14 \text{ r } 1 \end{array}$$

$$3 \overline{)56} \begin{array}{r} 18 \text{ r } 2 \end{array}$$

$$5 \overline{)398} \begin{array}{r} 79 \text{ r } 3 \end{array}$$

Name : _____ Score : _____

Teacher : _____ Date : _____

$$\begin{array}{r} 59 \text{ r } 1 \\ 3 \overline{)178} \end{array}$$

$$\begin{array}{r} 60 \text{ r } 2 \\ 4 \overline{)242} \end{array}$$

$$\begin{array}{r} 30 \text{ r } 1 \\ 2 \overline{)61} \end{array}$$

$$\begin{array}{r} 29 \text{ r } 1 \\ 3 \overline{)88} \end{array}$$

$$\begin{array}{r} 52 \text{ r } 1 \\ 5 \overline{)261} \end{array}$$

$$\begin{array}{r} 98 \text{ r } 2 \\ 4 \overline{)394} \end{array}$$

$$\begin{array}{r} 48 \text{ r } 1 \\ 2 \overline{)97} \end{array}$$

$$\begin{array}{r} 44 \text{ r } 2 \\ 3 \overline{)134} \end{array}$$

$$\begin{array}{r} 40 \text{ r } 2 \\ 5 \overline{)202} \end{array}$$

$$\begin{array}{r} 83 \text{ r } 3 \\ 4 \overline{)335} \end{array}$$

$$\begin{array}{r} 56 \text{ r } 2 \\ 4 \overline{)226} \end{array}$$

$$\begin{array}{r} 11 \text{ r } 4 \\ 5 \overline{)59} \end{array}$$

$$\begin{array}{r} 22 \text{ r } 1 \\ 4 \overline{)89} \end{array}$$

$$\begin{array}{r} 31 \text{ r } 1 \\ 2 \overline{)63} \end{array}$$

$$\begin{array}{r} 34 \text{ r } 1 \\ 2 \overline{)69} \end{array}$$

$$\begin{array}{r} 25 \text{ r } 1 \\ 5 \overline{)126} \end{array}$$

$$\begin{array}{r} 65 \text{ r } 1 \\ 3 \overline{)196} \end{array}$$

$$\begin{array}{r} 27 \text{ r } 1 \\ 3 \overline{)82} \end{array}$$

$$\begin{array}{r} 59 \text{ r } 1 \\ 2 \overline{)119} \end{array}$$

$$\begin{array}{r} 89 \text{ r } 1 \\ 5 \overline{)446} \end{array}$$

English Comprehension

Answers

How to mark your answers

- In this section, you'll find sample answers to all of the questions in this book.
- Many of the answers in this section start with "E.g.". This means that the question asked you to give your opinion or explain your own ideas about the text. There isn't one "correct answer" to these questions, and the answers we've given are only a guide. If you're unsure whether your answer is correct, you should ask a partner or teacher to look at your work.
- The more marks a question is worth, the more detailed your answer should be. For example, if a question is worth three marks, then you will need to make three separate points, or give three examples from the text.

Pages 2-3 – Sam Wu is Not Afraid of the Dark

1. Sam Wu's.
2. E.g. No, because he says that books won't save Bernard from bears.
3. E.g. He doesn't like baths, so if he plays dead he might get out of having one.
4. c. chances
5. E.g. He's worried about bears and the dark.
6. E.g. Yes. He talks about how his dad could protect them from bears which suggests he thinks they might be in danger of a bear attack. OR E.g. No. He has been reading a book about bears and seems confident about knowing what to do if he sees one.

Now Try This: E.g. Yes, because I want to find out how Sam copes on the camping trip and if he enjoys it or not. I also want to find out if Sam and Bernard come across a bear because it would be interesting to see how they react.

Pages 4-5 – Building Stonehenge

1. d. puzzling
2. E.g. Because some of them are still standing today.
3. E.g. To celebrate the changing seasons. OR E.g. To worship the sun.
4. a. They weighed up to 4 tonnes. d. They formed another two circles.
5. E.g. A ring of stones which were laid on top.
6. E.g. Its subheadings split up the information so that each phase of Stonehenge's construction is separated. This makes each different phase clearer to the reader.

Now Try This: E.g. Yes, I would like to visit Stonehenge because it sounds very interesting and you don't usually get the chance to see something made in prehistoric times.

Pages 6-7 – Harriet's Hare

1. The hare is actually an alien in the form of a hare.
2. E.g. The cows would usually be waiting near the gate of their field for Harriet's father, but instead, they're running and jumping around in the field.
3. E.g. The field is completely covered by wheat, so it looks as though a golden blanket has been spread over it. It seems like there's a hole in the blanket because there's a circle of flattened corn in a corner of the field.
4. E.g. It means that the hillside is covered in drops of water.
5. E.g. To show that Harriet is puzzled and curious about what has happened.
6. E.g. She is surprised because wild animals don't usually get so close to humans, and then she is amazed because animals can't talk, but the hare talks to her.

Now Try This: E.g. I think Harriet will talk to the hare — she reacts with "amazement" instead of fear when it talks, which suggests she isn't scared of it. I think they will become friends because the hare says "Good morning", which makes it seem kind instead of dangerous.

Pages 8-9 – Nature Trail

1. "frog" and "log" OR "snail" and "trail"
2. E.g. Because snails move slowly.
3. Birds and cats. E.g. Some cats kill birds, so birds will avoid the garden when cats are there, but cats will go into the garden when birds are there.
4. a fox
5. E.g. steal; pinch; take
6. E.g. Animals are always searching for food, and plants are always growing.

Now Try This: E.g. He says "we all deserve a garden", which suggests that he thinks gardens are a good thing to have. He also says that there are always things going on in a garden, and all this activity means that if you have a garden you will never be alone.

Pages 10-11 – Dragons and Marshmallows

1. a. first person
2. E.g. Because Zoey loves playing with them and Sassafras loves eating them.
3. E.g. He points Zoey towards her Thinking Goggles which help her come up with good ideas.
4. E.g. Yes, because she holds the swing low to the ground so the bugs don't hurt themselves if they fall. She also holds the bugs "carefully" and encourages them when they're on the tightrope.
5. E.g. She is nervous, because she isn't sure if the bug will make it across the twig.

Bill's New Frock - Answer

1. What does the word "baffled" in line 2 mean? Use a dictionary to help you.

Answer: "Baffled" means confused or puzzled, not understanding what is happening.

2. What do Bill's mother's comments about wearing dresses tell us about her attitude towards girls?

Answer: Bill's mother seems to think that wearing dresses is typical for girls, and she expresses disappointment that Bill doesn't wear one, suggesting she might see wearing dresses as a positive or normal part of being a girl.

3. Why do you think Bill doesn't argue with his parents when they start treating him like a girl?

Answer: Bill is too shocked and confused by the situation to argue. He is also surprised that his parents don't seem to notice anything strange about him being a girl, so he doesn't know how to react.

4. How is Bella the cat's behaviour towards Bill different from his parents' behaviour?

Answer: Bella the cat treats Bill the same way she always does, without noticing any change, while Bill's parents treat him differently, as if it's normal for him to be a girl.

5. Explain why Bill says that what he's experiencing "could be a nightmare" (line 28).

Answer: Bill says this because he is suddenly and unexpectedly transformed into a girl, which is very strange and unsettling for him. He feels like everything around him is unreal and out of his control, much like in a nightmare.

6. How might the children at Bill's school treat him differently now that he's a girl?

Answer: The children at school might treat Bill differently because people often have different expectations and behaviours towards boys and girls. They might treat him less seriously or expect him to behave in a certain way just because he looks like a girl.

11 Adjectives 1 p14

1 Colour: orange / green / pink

Size: tiny / enormous / medium

Mood: cheerful / cross / miserable

2 a crimson b happy c huge

3 quickly, noisily, large, broken, shouted, careful, excited, muddy

23 Adjectives 2 p30

1 a rustling b cloudy c bright d open e smiley f tiny

2 Adjectives

old

tiny, pretty, colourful

young, sweet, juicy

Nouns

grandmother

cottage, garden

children, cherries

3 warm / sunny / little / rustling / vanilla / chocolate / cold / strawberry / fluffy /
black / white / sweet / big / wet.

Answers

1. The **menacing** earthquake shook the ground.
Also accept: **abysmal, magnificent**
2. The people were **distraught** when the buildings shook.
Also accept: **terrified, shaken, astonished, flabbergasted, appalled**
3. The **magnificent** island lay in the middle of the ocean.
Also accept: **exquisite, marvellous, delightful**
4. The crowd were **terrified** after watching the film.
Also accept: **shaken, astonished, flabbergasted, appalled, distraught**
5. "I'm **appalled** by what I've done," admitted Cathy.
Also accept: **astonished, distraught, shaken**
6. The **flabbergasted** winner jumped for joy at the news.
Also accept: **astonished, shaken, magnificent**
7. The monster's attempts at hiding were **abysmal**.
Also accept: **pathetic, absurd, exquisite, marvellous, magnificent**
8. Our new neighbours are **delightful**.
Also accept: **eccentric, marvellous, pathetic, menacing, distraught, absurd**



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Answers

Pupils' answers will vary. The following sentences show examples of where the adjective has been replaced with a powerful and impressive description:

1. Janine was sitting in a **nice** chair.
Janine was sitting in a luxurious chair, which was covered in plush velvet.
2. Mum's new hairstyle was **bad**.
Mum's new hairstyle was awful because it made her head look like a toilet brush!
3. The weather today is **not nice**.
The weather today is atrocious; the wind is howling like a lonely wolf missing its pack and there are hailstones as big as golf balls falling from the dark sky above!
4. Lorna's new puppy was **cute**.
Lorna's new puppy was so incredibly gorgeous that, wherever she took it, people cooed and fussed over the sweet little creature.
5. The story written by Fred was **good**.
The story written by Fred was utterly gripping – it was the kind of tale that you had to read in just one go.
6. Jake made some **silly** jokes at school today.
Jake made some rude and immature jokes at school today, which made everyone cross (especially the teacher).
7. Barney's new computer was **fun** to play on.
Barney's new computer was smart, shiny and super cool; everyone wanted to play on it.
8. The birds' cage was **dirty**.
The birds' cage was filthy due to the fact that no one had bothered to clean it for weeks.

Answers

Pupils' answers will vary. The following sentences show examples of where powerful adjectives have been added to describe each noun.

1. The lady was sitting in a chair.
The elegant young lady was sitting in a comfortable, velvet chair.
2. My mum had a haircut.
My embarrassed mum had a terrible new haircut.
3. The weather on the beach was blustery.
The awful weather on the local beach was blustery.
4. Lorna got a new puppy.
Lucky Lorna got an adorable, fluffy puppy.
5. The story written by Fred was good.
The riveting story, written by talented Fred, was amazing!
6. We got on the coach to go on our school trip.
We got on the creaky, old coach to go on our long-awaited school trip.
7. Miss Riley always tells jokes.
Hilarious Miss Riley always tells fantastic jokes that are sure to make you laugh!
8. The birds played with their toys inside the cage.
The bored birds played with their tatty, broken toys inside the miniscule cage.

Non-Verbal

3d shapes

3D Shapes

Pages 18-19 — 3D Shapes

Warm Up

- 1) a) 2 b) 1 c) 3 d) 3 e) 4 f) 3
- 2) Number of figures: 2
(the second option is the figure viewed from the right and the fourth option is the figure viewed from the left).

Look at the Figure from the Top

- 3) D
The figure should have a line of two cubes on the left-hand side, which rules out option A. There are four cubes visible from above, which rules out options B and C.
- 4) A
There should be four cubes visible from above, which rules out options B and D. There should be a line of three cubes at the front of the figure, which rules out option C.
- 5) D
There should be four cubes visible from above, which rules out options A and B. There should be a line of three cubes at the back of the figure, which rules out option C.

Look at the Figure from the Right

- 6) B
There are three blocks visible from the right, which rules out options A and D. The blocks should all be in the same row, which rules out option C.
- 7) A
There are four blocks visible from the right, which rules out options B and C. The white block at the top of the figure should be on the right-hand side, which rules out option D.
- 8) D
The figure should have one stack three blocks high and one stack two blocks high, which rules out options A, B and C.

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

1) $12 \times 9 = 108$	2) $5 \times 12 = 60$	3) $2 \times 12 = 24$
4) $12 \times 4 = 48$	5) $6 \times 12 = 72$	6) $8 \times 12 = 96$
7) $12 \times 2 = 24$	8) $7 \times 12 = 84$	9) $11 \times 12 = 132$
10) $8 \times 12 = 96$	11) $2 \times 12 = 24$	12) $5 \times 12 = 60$
13) $9 \times 12 = 108$	14) $12 \times 6 = 72$	15) $8 \times 12 = 96$
16) $2 \times 12 = 24$	17) $7 \times 12 = 84$	18) $5 \times 12 = 60$
19) $3 \times 12 = 36$	20) $8 \times 12 = 96$	21) $12 \times 12 = 144$
22) $12 \times 12 = 144$	23) $0 \times 12 = 0$	24) $8 \times 12 = 96$
25) $8 \times 12 = 96$	26) $7 \times 12 = 84$	27) $11 \times 12 = 132$
28) $6 \times 12 = 72$	29) $9 \times 12 = 108$	30) $4 \times 12 = 48$
31) $7 \times 12 = 84$	32) $10 \times 12 = 120$	33) $9 \times 12 = 108$
34) $8 \times 12 = 96$	35) $4 \times 12 = 48$	36) $5 \times 12 = 60$
37) $12 \times 12 = 144$	38) $11 \times 12 = 132$	39) $3 \times 12 = 36$

If you've achieved below 35/39 learn the 12 times tables before you move on to the next worksheet

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

1) $12 \times 8 = 96$	2) $12 \times 9 = 108$	3) $12 \times 12 = 144$
4) $12 \times 7 = 84$	5) $12 \times 3 = 36$	6) $8 \times 12 = 96$
7) $12 \times 1 = 12$	8) $12 \times 8 = 96$	9) $12 \times 11 = 132$
10) $12 \times 6 = 72$	11) $12 \times 4 = 48$	12) $12 \times 9 = 108$
13) $12 \times 7 = 84$	14) $12 \times 4 = 48$	15) $12 \times 5 = 60$
16) $12 \times 9 = 108$	17) $1 \times 12 = 12$	18) $12 \times 7 = 84$
19) $12 \times 1 = 12$	20) $8 \times 12 = 96$	21) $5 \times 12 = 60$
22) $12 \times 3 = 36$	23) $12 \times 12 = 144$	24) $12 \times 5 = 60$
25) $8 \times 12 = 96$	26) $9 \times 12 = 108$	27) $12 \times 11 = 132$
28) $12 \times 7 = 84$	29) $12 \times 9 = 108$	30) $12 \times 0 = 0$
31) $9 \times 12 = 108$	32) $12 \times 12 = 144$	33) $12 \times 12 = 144$
34) $12 \times 8 = 96$	35) $12 \times 12 = 144$	36) $12 \times 9 = 108$
37) $12 \times 7 = 84$	38) $12 \times 11 = 132$	39) $12 \times 8 = 96$

If you've achieved below 35/39 learn the 12 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, 7, 8, 9, 10 and 11 times tables as you are already expected to know them

1) $8 \times 2 = 16$	2) $12 \times 5 = 60$	3) $4 \times 2 = 8$
4) $12 \times 7 = 84$	5) $5 \times 8 = 40$	6) $12 \times 12 = 144$
7) $12 \times 10 = 120$	8) $10 \times 2 = 20$	9) $0 \times 11 = 11$
10) $5 \times 8 = 40$	11) $12 \times 2 = 24$	12) $12 \times 5 = 60$
13) $2 \times 9 = 18$	14) $5 \times 5 = 25$	15) $5 \times 6 = 30$
16) $12 \times 2 = 24$	17) $10 \times 9 = 90$	18) $8 \times 5 = 40$
19) $5 \times 2 = 10$	20) $12 \times 12 = 144$	21) $0 \times 12 = 0$
22) $10 \times 12 = 120$	23) $5 \times 12 = 60$	24) $2 \times 12 = 24$
25) $12 \times 12 = 144$	26) $10 \times 12 = 120$	27) $6 \times 11 = 66$
28) $5 \times 12 = 60$	29) $12 \times 8 = 96$	30) $2 \times 4 = 8$
31) $10 \times 7 = 70$	32) $5 \times 10 = 50$	33) $12 \times 5 = 60$
34) $12 \times 7 = 84$	35) $10 \times 11 = 110$	36) $12 \times 5 = 60$

If you've achieved below 32/36 revisit all your times tables up to 12

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

This worksheet will now include 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11 times tables as you are already expected to know them

1) $9 \times 2 = 18$	2) $9 \times 5 = 45$	3) $4 \times 12 = 48$
4) $9 \times 12 = 108$	5) $5 \times 5 = 25$	6) $12 \times 12 = 144$
7) $12 \times 11 = 132$	8) $12 \times 2 = 24$	9) $7 \times 10 = 70$
10) $5 \times 4 = 20$	11) $12 \times 10 = 120$	12) $12 \times 9 = 108$
13) $2 \times 9 = 18$	14) $5 \times 0 = 0$	15) $5 \times 9 = 45$
16) $12 \times 6 = 72$	17) $10 \times 4 = 40$	18) $4 \times 5 = 20$
19) $5 \times 2 = 10$	20) $12 \times 8 = 96$	21) $7 \times 12 = 84$
22) $12 \times 12 = 144$	23) $5 \times 11 = 55$	24) $2 \times 12 = 24$
25) $12 \times 12 = 144$	26) $10 \times 12 = 120$	27) $9 \times 11 = 99$
28) $5 \times 5 = 25$	29) $12 \times 4 = 48$	30) $2 \times 4 = 8$
31) $10 \times 4 = 40$	32) $2 \times 10 = 20$	33) $12 \times 10 = 120$
34) $12 \times 4 = 48$	35) $10 \times 11 = 110$	36) $12 \times 5 = 60$

If you've achieved below 32/36 revisit all your times tables up to 12