Y3 Remote Learning

ANSWER PACK

22nd-26th February 2021
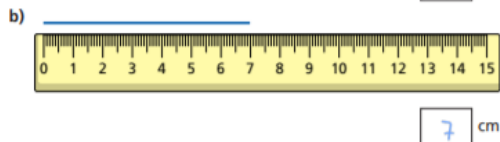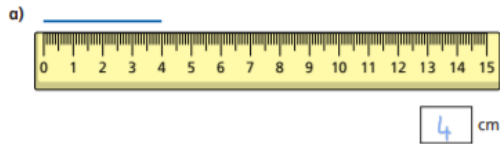
Maths Answers lesson 1:
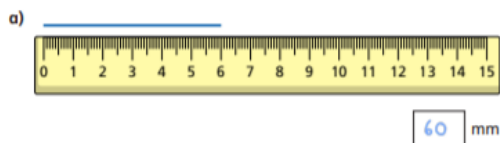
Measure length

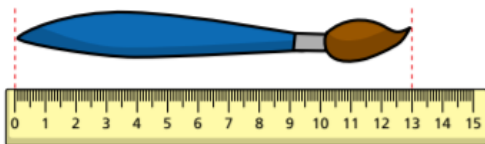**1** What is the length of each line?

a) **4** cm

b) **7** cm

c) **2** cm

2 Write the length of each line to the nearest millimetre.

a) **60** mm

b) **87** mm

c) **35** mm

3 Use a ruler to draw lines of these lengths.
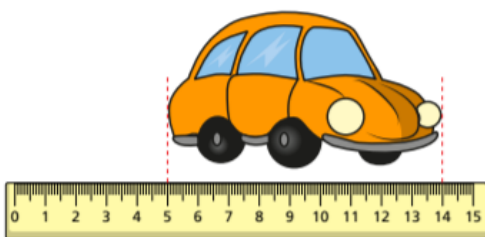
a) 5 cm

b) 75 mm

c) 42 mm

4 How long is the paintbrush?

The paintbrush is **13** cm long.

5 How long is the toy car?

The toy car is **9** cm long.

6 How tall is the baby giraffe?
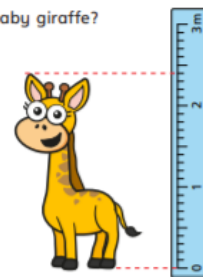
The baby giraffe is **2** m and **40** cm tall.

7 Tick the most sensible estimate for the height of a classroom door.

20 cm	2 m	20 m
☐	✓	☐

8 Find items in the classroom that are the following lengths. Write your answers in the table.

Less than 10 cm long	Between 10 cm and 1 m long	More than 1 m tall

Compare with a partner.

Red task:

Developing

1a. A = 3cm; B = 4cm; C = 2cm. Allow for slight variations due to printing.

2a. fly = 6mm; cat = 35cm

3a. 60mm

4a. Answer should be: 4cm. Allow for slight variations due to printing.

Gold task:

Expected

5a. A = 5cm; B = 3cm; C = 40mm; D = 20mm. Allow for slight variations due to printing.

6a. ladybird = 8mm; bus = 11m; book = 15cm

7a. 6cm and 4mm

8a. Answer should be: 4cm and 8mm. Allow for slight variations due to printing.

Greater Depth

7a. Various answers, for example: window; display board; door. Ensure measurements are recorded accurately.

8a. I would agree with Freya because a bookshelf would most likely measure 2m and 15cm not 12cm and 4mm.

9a. No, Mia is incorrect because the chocolate bar measures approximately 3cm and 9mm or 39mm.

Deepening the moment:

1. Measure the lines and determine the headings of the Venn diagram.

Lines to Measure

36mm
40mm
12mm
24mm
30mm
16mm

Venn Diagram Headings

Greater than 20mm
Less than 3cm
Multiple of 8
Multiple of 3
Multiple of 4

Less than 3cm | Multiple of 4

27mm

16mm
24mm
12mm

36mm
40mm

30mm

Sort the remaining lines according to the headings you have chosen.
Various answers depending on the headings chosen. Example provided above.
Explore other ways to sort the lines onto the Venn diagram.
Various answers depending on the headings chosen.

2. Jane and Robin are playing a game. They each choose an object and give clues based on what they could use to measure them.

Jane: I would use a ruler to measure my object. It is no greater than 16cm long.

Robin: I would measure my object in millimetres. It is no greater than 30mm.

pencil | football field | scissors | calculator | pencil sharpener | sofa

Which items could Jane and Robin be thinking of? Explain your answer.
Jane could be thinking of the scissors because you could use a ruler to measure them.
Robin could be thinking of the pencil sharpener because it can be measured in millimetres.
Choose an object from the selection and describe it to your partner.
Various answers, for example: I would measure the football field in meters using a trundle wheel.

Measure length (m)

1 Look around your classroom.

Choose 10 objects.

a) Estimate which objects are longer than 1 metre and which are shorter than 1 metre.

b) Draw each object in the correct part of the table.

Longer than 1 metre	Shorter than 1 metre

c) Use a metre ruler to measure your objects.

Did you put them in the correct column?

d) Which object is closest to 1 metre long?

_____

2

I am 1 metre and 8 centimetres tall. — Dexter

You can write this as 1 m and 8 cm. — Ron

Do you agree with Ron? __Yes__

Talk about it with a partner.

Complete the sentences.

a) Dexter is 1 __m__ and 8 __cm__ tall.

b) Dani is 1 metre and 21 centimetres tall.

Dani is [1] m and [21] cm tall.

c) Scott is 1 metre and 11 centimetres tall.

Scott is [1 m] and [11 cm] tall.

3 Class 2 are measuring poster paper for an art lesson.

Nijah puts the paper next to a 2-metre stick.

1m   10cm
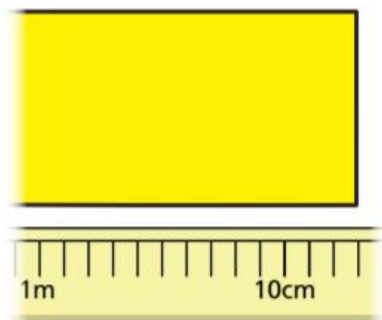
How long is the poster paper?

[1] m and [13] cm

4 Measure the longest side of your classroom and complete the sentence.

My classroom is [ ] and [ ] long.

5

Daddy Bear is 2 metres tall.
Baby Bear is half as tall as Daddy Bear.

a) How tall is Baby Bear?   [1] m

b) Mummy Bear is taller than Baby Bear, but shorter than Daddy Bear.
How tall could Mummy Bear be?

e.g. Mummy Bear could be [1m] and [42cm] tall.

Compare answers with a partner.

Red task:

Developing
1a. False, the board is 10cm taller than 1m.
2a. Probably longer
3a. 3m 30cm
4a. fishing net – 1m 50cm, car – 4m 90cm, cucumber – 30cm

Gold task:

Greater Depth
9a. False, it is 113cm taller than 1m.
10a. Probably longer
11a. 1m 24cm
12a. Racket – 73cm, bike 172cm, swings – 2m 96cm

Deepening the moment:

Greater Depth
7a. Various possibilities, any reasonable answer acceptable, for example: van 985cm; motorbike 1m and 23cm
8a. The monkey should be measured in cm.
9a. No, Awais has positioned the snake in the middle of the scale, not at 0.

Maths Answers Lesson 3:

Equivalent lengths – m and cm

White Rose Maths

1 There are 100 centimetres (cm) in 1 metre (m).
Use the bar models to complete the sentences.

1 m
100 cm

a)

1 m	1 m	1 m
100 cm	100 cm	100 cm

There are **300** cm in 3 m.

b)

1 m	1 m	1 m	1 m	1 m	1 m
100 cm	100 cm	100 cm	100 cm	100 cm	100 cm

There are **600** cm in 6 m.

c)

1 m	1 m	1 m	1 m	1 m
100 cm	100 cm	100 cm	100 cm	100 cm

There are 500 cm in **5** m.

2 Complete the table to show equivalent lengths and continue the pattern.

cm	m and cm
310 cm	3 m and 10 cm
320 cm	3 m and **20** cm
330 cm	3 m and **30** cm
340 cm	3 m and 40 cm
350 cm	3 m and 50 cm
360 cm	3 m and **60** cm
370 cm	3 m and **70** cm

3 Write the missing measurements.

50 cm   1 m **20** cm

0 m   1 m   2 m

145 cm

4 Draw an arrow to show the position of each measurement.

A   B   C   D

0 m   1 m   2 m

A	B	C	D
20 cm	0 m 75 cm	130 cm	1 m 65 cm

5 Complete the bar models.

a)

160 cm

1 m	**60** cm

b)

268 cm

2 m	**68** cm

c)

410 cm

4 m	10 cm

d)

205 cm

2 m	5 cm

6 Complete the sentences.

a) 240 cm = **2** m and **40** cm

b) 319 cm = **3** m and **19** cm

c) 508 cm = **5** m and **8** cm
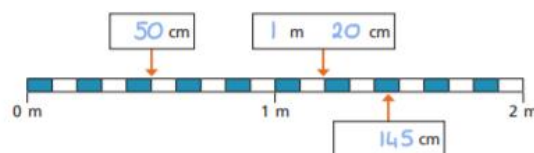
d) 2 m and 15 cm = **215** cm

e) 8 m and 3 cm = **803** cm

7 Here is Huan's sunflower.

190 cm
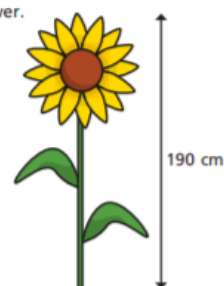
Dani's sunflower is 2 m and 30 cm.

Tom's sunflower is exactly halfway between Huan's and Dani's.

How tall is Tom's sunflower?

Write your answer in metres and centimetres.

2 m and **10** cm

Red task:

Developing

1a. 2m, 90cm

2a. 50cm

3a. 230cm, 2m and 95cm, 3m and 20cm and 395cm

4a. The completed conversion table should look like this:

m and cm ⬌	cm
2m and 40cm	**240**cm
4m and **10**cm	410cm
8m and 70cm	**870**cm
9m and **90**cm	990cm
3m and 90cm	**390**cm

Gold task:

Greater Depth

7a. Freddy's drive is $4\frac{3}{4}$ m long which is equivalent to 475cm. Freddy's caravan is 4m and 4cm long which is equivalent to 404cm. 404cm is shorter than 475cm so Freddy's caravan will fit on his drive.

8a. False because the car's length is 6m and 5cm which is equivalent to 605cm and $2\frac{1}{4}$m is equivalent to 225cm. 605cm + 225cm equals 830cm which is not equivalent to $8\frac{1}{2}$ m.

9a. Various answers, for example: 55**0**cm = 5 $\boxed{\frac{1}{2}}$ m; 7 $\boxed{\frac{1}{2}}$ m = 75**0**cm

Expected

5a. 3m, 87cm

6a. 1m and 21cm

7a. 239cm, 279cm, 2m and 93cm, 2m and 97cm, 3m and 29cm and 392cm

8a. The completed conversion table should look like this:

m and cm ⬌	cm
6m and 48cm	**648**cm
4m and 16cm	416cm
9m and 64cm	**964**cm
5m and 89cm	589cm
0 and 98cm	**98**cm

Deepening the moment:

1. The children below discussing different lengths. They are trying to work out which of their lengths are equal and can be paired together.

John — My length is 50cm.
Mark — My length is 105cm.
Simon — My length is 75cm.
Alice — My length is 75cm.
Meera — My length is 50cm.
Taylor — My length is 105cm.

Use the clues to investigate which children could be paired together.
Possible answers: Shown above → Mark and Taylor (105cm); Simon and Alice (75cm); John and Meera (50cm)
OR
Mark and Taylor (105cm); Alice and Meera (75cm); John and Simon (50cm)

2. Arrange the triangles below so that touching sides show equivalent lengths. Be careful – some numbers are missing and need to be filled in!

Equivalent lengths – mm and cm

White Rose Maths

1 There are 10 millimetres (mm) in 1 centimetre (cm).

Use the bar models to complete the sentences.

1 cm
10 mm

a)

1 cm	1 cm	1 cm
10mm	10mm	10mm

There are **30** mm in 3 cm.

b)

1 cm	1 cm	1 cm	1 cm	1 cm	1 cm	1 cm
10mm	10mm	10mm	10mm	10mm	10mm	10mm

There are **70** mm in 7 cm.

c)

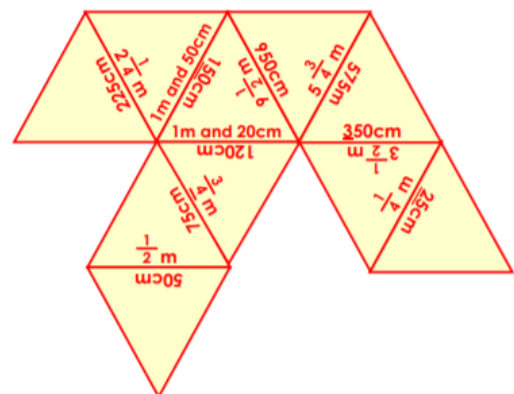| 1 cm	1 cm	1 cm	1 cm
10 mm	10 mm	10 mm	10 mm

There are 40 mm in **4** cm.

2 Match the equivalent lengths.

1 cm 3 mm	3 cm 1 mm	30 mm	33 mm	30 cm

300 mm	13 mm	31 mm	3 cm 0 mm	3 cm 3 mm
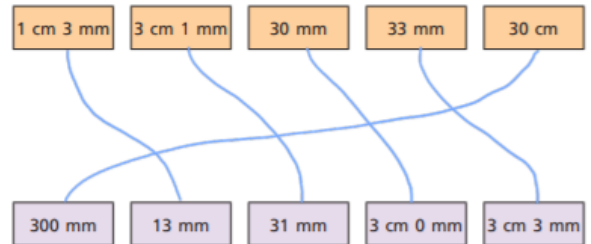
3 How long are the scissors?

The scissors are **8** cm and **4** mm long.

The scissors are **84** mm long.

b) Kim's tower is 300 mm tall.

How many cubes does she use?

Kim uses **10** cubes.

4 Find three items in your classroom.

Measure them and complete the table.

One has been done for you.

Item	Length in cm and mm	Length in mm
toy car	9 cm 6 mm	96 mm

5 Filip and Kim are building towers using cubes.

Each cube is 3 cm high.

a) Filip uses 6 cubes.

How tall is Filip's tower?

Give your answer in millimetres.

Filip's tower is **180** mm tall.
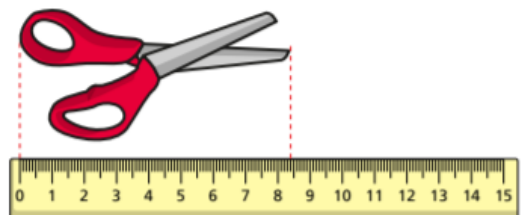
3 cm

6 Complete the bar models.

a)

62 mm	
6 cm	2 mm

b)

4 mm	
0 cm	4 mm

c)

301 mm	
30 cm	1 mm

d)

310 mm	
30 cm	10 mm

Red task:

Developing
1a. 5cm 5mm
2a. 30mm = 3cm
40mm = 4cm
6cm = 60mm
3a. 8cm 5mm
4a. C

Gold task:

Expected
5a. 6cm 2mm
6a. 33mm = 3cm 3mm;
45mm = 4cm 5mm;
8cm 2mm = 82mm
7a. 533mm
8a. A

Greater Depth
7a. Milly. 54 $\frac{1}{2}$ cm = 545mm which is more than 504mm?
8a. 3cm 44m because it is equivalent to 74mm, not 34mm. 44cm 4mm because it is equivalent to 444mm, not 440mm.
9a. D. Various answers, for example: 605mm, 60cm 5mm

Deepening the moment:

1. Cut out all the cards below and place them face down. With a partner take turns to pick two cards. Your aim is to match up a length and a written description.

This length can be cut into four equal lengths of less than 20mm	7cm 2mm	This length is between $\frac{1}{2}$ cm and $5\frac{1}{2}$ cm	43mm
This length is equal to 120mm	12cm	This length cannot be changed into whole cm. It is less than 55mm	27mm
This length is more than 2cm but less than 38mm. It can be divided by 6 equally.	2cm and 4mm	This length can be split into nine equal parts of less than 1cm.	3cm 6mm

Various answers, one example shown on the cards above.

2. Benny the Bank manager is trying to open the lock on the safe to refill the cash machines before the day begins. Unfortunately, he cannot remember the codes!

I have found the clues I wrote to help me remember the code to open the safe.

Lock 1
this is the equivalent to half of 800mm

Lock 3
this is 10cm greater than lock 1

Lock 2
this is greater than 120mm but less than 13cm

Lock 4
this is less than $5\frac{1}{2}$ cm but greater than 48mm

DOOR 1
Lock 1	400mm
Lock 2	127mm
Lock 3	50cm
Lock 4	52mm

Investigate which codes could be used to help Benny unlock the safe.
Various answers, for example: See above.

Maths Answers Lesson 5:

Guidance: Children will have 30 minutes for this test.

question	answer	marks
1	**819**	1
2	**482**	1
3	**123**	1
4	**685**	1
5	**959**	1
6	**49**	1
7	**821**	1
8	**245**	1
9	**32**	1
10	**12**	1
11	**198**	1
12	**440**	1
13	**21**	1
14	$\frac{6}{8}$ or $\frac{3}{4}$	1
15	$\frac{2}{4}$ or $\frac{1}{2}$	1
		Total 15

English Answers Lesson 1:

Finishing Off...

Key vocabulary: kiln, plaster cast, unwhiskered.

Retrieval
1.) What is the name of the boy in the poem? Malcolm
2.) What was unfinished in his book? Stories and pictures
3.) What was in his drawer? a half-eaten cake
4.) What did Malcolm gaze at? the floorboards

Inference
5.) Do you think Malcolm is a chatty pupil? No because he said very little and his sentence remained incomplete
6.) Which line tells us the teacher is frustrated with Malcolm? I really can't take anymore.

Vocabulary
7.) Find and copy one word that means moved your feet in small steps without lifting them off the floor? shuffled
8.) Write a synonym for the word started. Began, commenced

Summarise
9.) What type of person is the opposite of Malcom? Various answers – organised, always up to date with work, completed work etc

English Answers Lesson 2:

Task 1: Tick whether the sentence is past or present tense.

	Past tense	Present tense
Yesterday I went to the park.	✔	
I can see a bird in the sky.		✔
I am following my teacher's instructions.		✔
I played in the snow last week.	✔	

Task 2: Copy the table with the missing verbs.

Simple Past Tense	Simple Present Tense (for I, you, we or they)
played	play
talked	talked
swam	swim
saw	see
drank	drink
tried	try
chased	chase
knew	know

English Answers Lesson 3:

| Your own address goes in the top right hand corner of the letter. | → | 7 Jasmine Roa
Essex
EX36 9EL |

Wheeler's Deals ← | The address of the recipient goes on the left, below your own address. |
12 Main Street
Baytown
Kent   24th July 2016
KT15 8RL

| The date is written on the right hand side, starting below the address you are writing to. | → |

Dear Mr Wheeler, ← | Dear Sir/Madam if you don't know the recipient or Mr/Mrs/Miss/Ms (surname) if you do. |

I bought a red, 2005, Buzuki Whiz from your dealership on 16th July 2015 and to say I am unhappy with the purchase is an understatement. I have tried calling your garage a number of times but as soon as I give my name, the line goes dead. I am writing this formal letter of complaint to inform you of the serious issues I have had with the vehicle and what I expect from you as a result.

| An introduction stating who you are and why you are writing. |

Days after buying the car, I experienced the following problems: thick smoke coming from the exhaust, a loud rattling noise under the car bonnet, faulty windscreen wipers, a heater which only blows cold air, a broken horn, a sun roof which refuses to open and just yesterday one of the wing mirrors fell off. Mr Wheeler, you assured me that this car was in excellent condition and I trusted you. This car is unfit to drive and could have caused me to be involved in a road traffic accident.

Firstly, I demand a full refund by the end of the month. Furthermore, the car is sitting in our driveway and I expect that someone will come to collect it by the end of the week. Please be assured that if my expectations are not met, I will be taking the matter further.

| A final paragraph including any expectations or closing remarks. |

| End your letter using 'Yours sincerely' if you know the recipient or 'Yours faithfully' if you don't. |

Yours sincerely, ←

Mr S.Holmes

Mr S.Holmes ← | Finish with your name or signature. |

Task 1:

Letter 1:

Letter 2:

Does your formal letter include... ✓

	✓
the sender's address?	
the address of the recipient?	✓
the greeting 'Dear Sir/Madam' if you dont know the recipient or 'Dear Mr/Mrs/Miss (surname) If you know the recipient?	✓
an introduction?	✓
formal sentence starters such as 'I am writing to inform you' or 'I would like to express'?	✓
details organised into paragraphs?	
a conclusion saying what needs to happen next?	✓
'yours faithfully' if you don't know the recipient or 'Yours sincerely' if you do know the recipient when you have finished the letter?	✓
your name at the end?	✓

Does your formal letter include... ✓

	✓
the sender's address?	
the address of the recipient?	
the greeting 'Dear Sir/Madam' if you dont know the recipient or 'Dear Mr/Mrs/Miss (surname) If you know the recipient?	✓
an introduction?	
formal sentence starters such as 'I am writing to inform you' or 'I would like to express'?	✓
details organised into paragraphs?	
a conclusion saying what needs to happen next?	✓
'yours faithfully' if you don't know the recipient or 'Yours sincerely' if you do know the recipient when you have finished the letter?	✓
your name at the end?	✓

Task 2:

Answers will vary.

English Answers Lesson 5:

1. Read the speech below and highlight the formal vocabulary.
You should be able to find around 10 examples.

> Good evening ladies and gentlemen. I am delighted to welcome you to the twenty-fifth annual charity ball. As you are all eminently aware the funds raised at our previous charity ball events have enabled us to support numerous charitable organisations in their worthwhile endeavours.

2. Now can you write the next paragraph of the speech keeping to the same formal style?

_____

_____

_____

_____

_____

3. Highlight 5 examples of formal words or phrases you have used and write their meanings in the table.

Formal Word or Phrase	Meaning

Year 3 Answer Pack

Reading for Productivity Answers

Geography:

Geography - Europe Information Sheet – Year 3

Retrieval

1.) Which countries sit next to Sweden? Norway and Finland
2.) What is the largest lake and which country is it in? Ladoga in Russia
3.) Which country is number 8? Albania
4.) How many countries are in Europe? 43

Vocabulary

5.) What does the word 'population' mean on the third paragraph? How many people live in a certain area.

RE:

Year 3 answers

Retrieval

1. How many different names does Allah have?
   99.
2. What are used by Muslims when praying to remember the names of Allah?
   Subhah beads.
3. What do Muslims believe Allah created?

   Heavens and the Earth.

Vocabulary

4. What does the word 'merciful' or mercy mean?
   Forgiving, gracious, kind, sympathetic, understanding, patient, compassionate.

Inference

5. How could Muslims show respect to Allah in their everyday life?
   Read the Qur'an, show peace and kindness to others, pray when they are supposed to, follow rules.

DT:

Reading for Productivity- DT

1. Name two examples of fruit and vegetables. Cucumber, apple etc
2. What food and drink is high in sugar? Fizzy drink, sweets etc
3. Name two types of protein that are important to our diet. Fish, eggs, meat etc
4. What does the word **'alternative'** mean in this sentence? Difference etc
   Beans and pulses are a good *alternative* to meat as they contain less fat and are higher in fibre and protein.
5. Why do you think it is important for a baby to have a good amount of protein and calcium in their diet? To grow strong bones and teeth

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Year 3 Answer Pack

Science:

Reading for Productivity- Seeds and bulbs.

Key vocabulary: seed, bulb, plant, growth, dormant, germination, emerge, absorb.

Retrieval:

1. Name one plant that is grown from a bulb. Tulips, onions and daffodils.
2. Which part of a plant is the first to emerge from a seed or bulb? Roots.
3. Name one small plant that comes from a seed. Radishes.

Inference:

4. Explain why seeds remain dormant until they are given certain things.

Any answer that explains they need those things to grow.

Vocabulary:

5. Define the word 'germination'. When the seed begins to sprout.

Computing:

Reading for Productivity – Year 3

Key words: branching, decision, dead end, beginning, ending, options.

Retrieval

1. What is a branching story? A story with multiple options and endings.
2. Why is a branching story different to a normal story? A normal story only has one ending.
3. How many options could a branching story have? As many as you want.

Inference

4. Why do you think branching stories are better when using software such as PowerPoint? Explain your answer. Accept any appropriate answer.

Vocabulary

5. Find and copy a word from the text that has the same meaning as 'for all time'. Forever
6. What does the word 'interactive' mean? You can interact with it, so you can change it and make it move – anything similar to this.

Year 3 Answer Pack