

Y6 Remote Learning

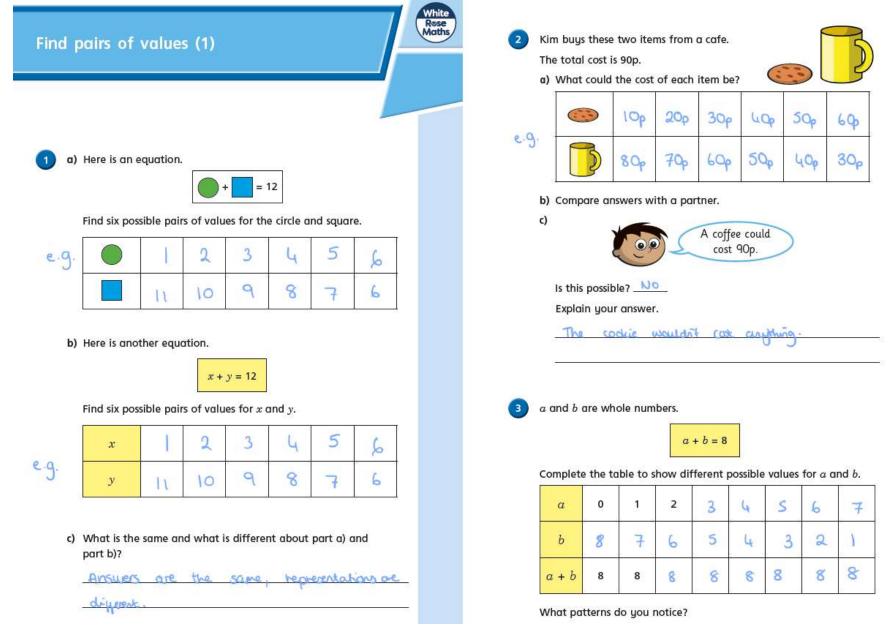
PONTEFRACT

ANSWER PACK

1st - 5th March 2021



Maths Answers Lesson 1



ACADEMIES TRUST

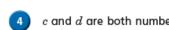




z

x

у

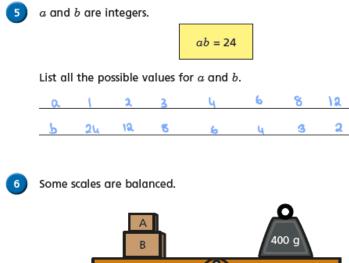


c and d are both numbers less than 20

c - d = 4

Complete the table to show possible values for c and d.

с	19	8	۲)	16	2	14	13	12
d	15	Ц	13	12	(I	0)	q	8
c-d	կ	ų	ų	હ	y	կ	G	ų



What could the masses of the boxes be?



24

- Rosie has three number cards.
 - The sum of the cards is 12
 - x is greater than y and y is greater than z.
 - All the numbers are greater than zero.

List all the possible values of x, y and z.

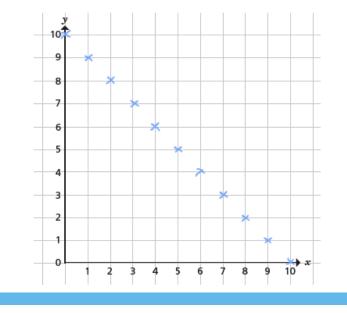
x	٩	8	7	6	7	6	5
у	2	3	4	5	3	4	4
z	I		I	L	2	2	3

8	E E

Eva is plotting co-ordinates (x, y) on a grid.

She is only plotting co-ordinates where x + y = 10

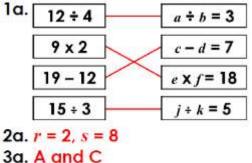
Plot all the points Eva can plot on the grid.





Red Answers

Varied Fluency



- 4a. 2 more
- 4a. z more

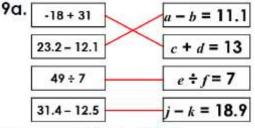
Reasoning and Problem Solving

1a. Felicity is incorrect as because both letters would represent 8, but each letter should represent a different number.
2a. a = 4; b = 3
3a. Richie is incorrect because 17 is not being divided, it is the answer.

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<u>Gold Answers</u>

<u>Varied Fluency</u>



10a. r = 3.7, s = -12.9 11a. A and D 12a. 8 more

12d. o more

Reasoning and Problem Solving

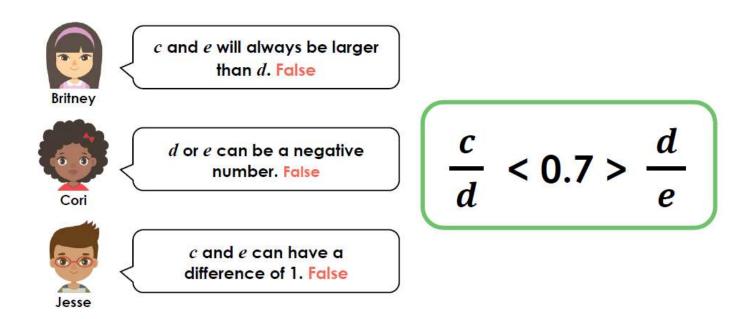
7a. Polly is incorrect because $8 \div 28$ would give an answer less than 1. Her numbers would work if she swapped them around. 8a. a = 84; b = 0.59a. Evan is incorrect because when two negative numbers are multiplied, the answer is positive. Example: $-2 \times -5 = 10$.





<u>Deepen the Moment</u>

Determine whether each child's statement about the equation below is true or false. All numbers are whole numbers.

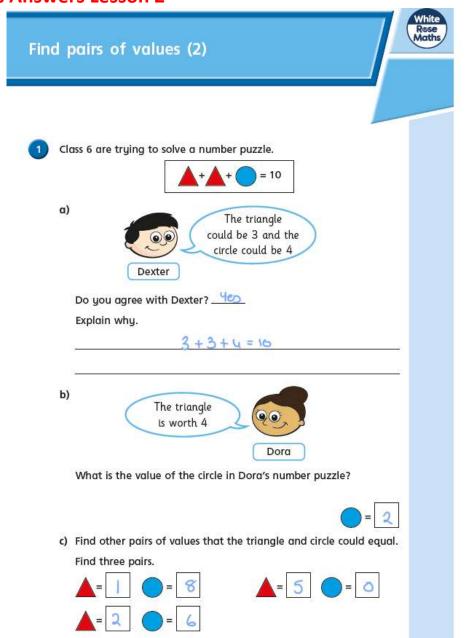


Investigate the possible values that could satisfy the equation. c = 5; d = 8; e = 16



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Maths Answers Lesson 2



a and b are whole numbers.

2a + b = 14

Complete the table to show different possible values for a and b.

a	0	1	2	3	4	5	6	7
2a	0	2	4	6	8	10	12	14
ь	14	12	10	8	6	ч	2	0
a + b	14	14	14	14	14	14	الا	14



c and d are both integers less than 15 but greater than zero.

3c - d = 2

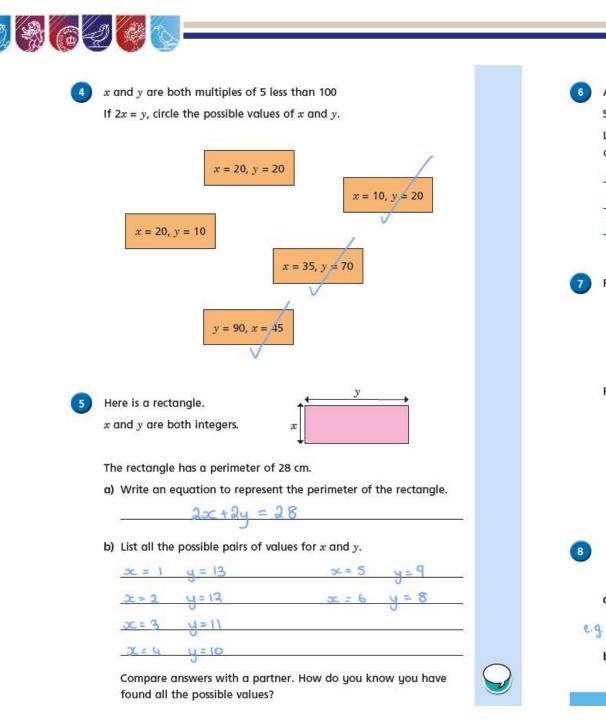
Complete the table to show different possible values for c and d.

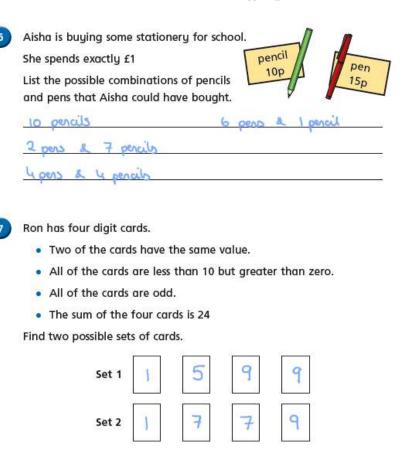
с	1	2	3	4	5
Зс	3	6	9	12	15
d	1	4	7	0	13
3c – d	2	2	2	2	2

b) Explain why there are no other possible values for c and d.

If c was 16 d would be greater than 15

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 $\alpha =$

a) Find a pair of possible values for a and b.

b = 4

b) Work with a partner to find as many pairs of values as you can.

2ab = 48





Red Answers

Varied Fluency 1a. a = 16 and b = 42a. 19 and 14; 15 and 10; 12 and 7; 8 and 3 3a. b = 9 and c = 44a. Various answers, for example: if a = 9, then b = 0; if a = 8, then b = 2; if a = 7, then b = 4.

<u>Reasoning and Problem Solving</u>

1a. Katya is incorrect because 2 x 7 = 14;
14 + 4 = 18 so d = 4 not 5.
2a. A, C or D could be true. For example:
A. a = 5; C. a = 3; D. a = 5
3a. Various answers, for example: m = 6,
s = 4; m = 7, s = 2; m = 5, s = 6

<u>Gold Answers</u>

Varied Fluency

9a. a = 64 and b = 610a. 4.5 and 10; 0.5 and 6; 6.5 and 12; -4.5 and 1 11a. y = 15.5 and v = 512a. Various answers, for example: If a = 8, then b = 0.5; if a = 6, then b = 3.5; if a = 4, then b = 6.5.

Reasoning and Problem Solving

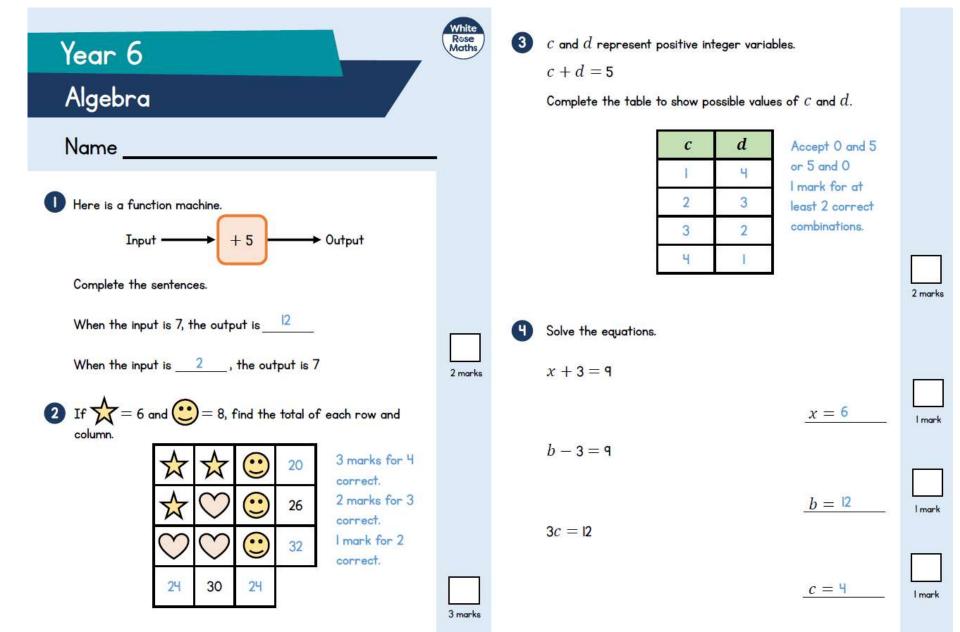
7a. Gillian is incorrect because $7 \times \frac{1}{2} = 3.5$; 12.5 - 3.5 = 9, $9 \div 2 = 4.5$ so y = 4.5. **8a.** A, B, C or D could be true. For example: A. a = -7; B. a = -5; C. a = -10; D. a = -4**9a.** Various answers, for example: m = 5, s = 3.75; m = 6, s = 2.75; m = 4, s = 4.75

<u>Deepen the Moment</u>

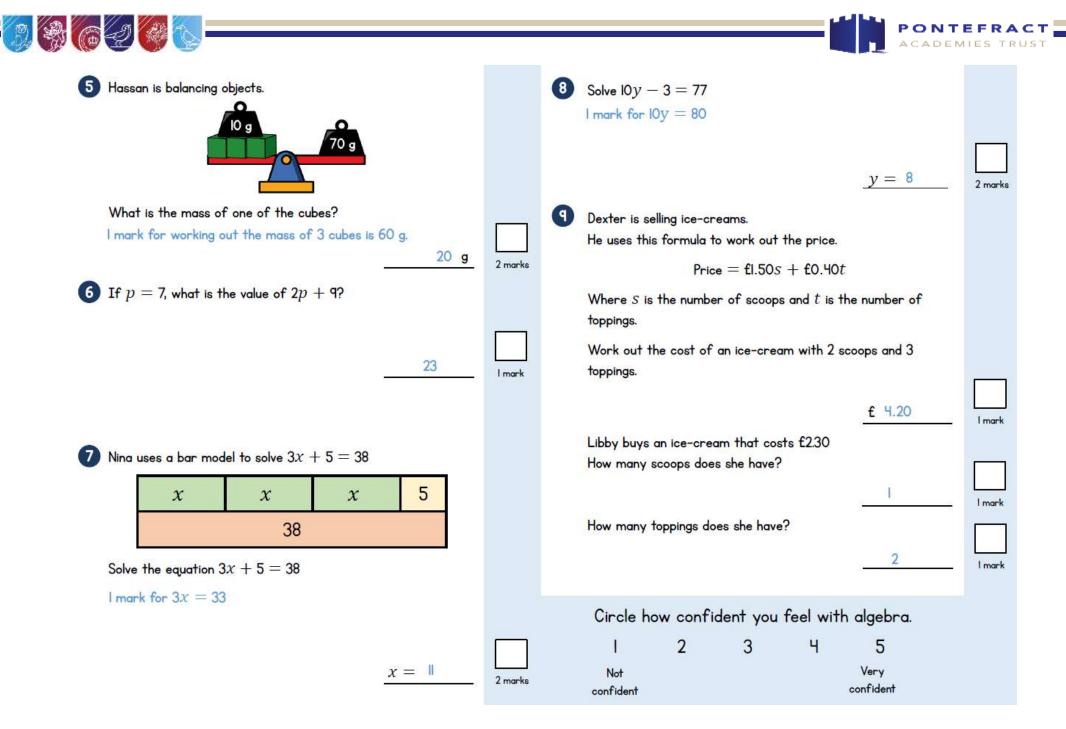
Various answers, for example: 8d + 22s = £21.00

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Maths Answers Lesson 3 – End of Block Assessment



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km

L

mg

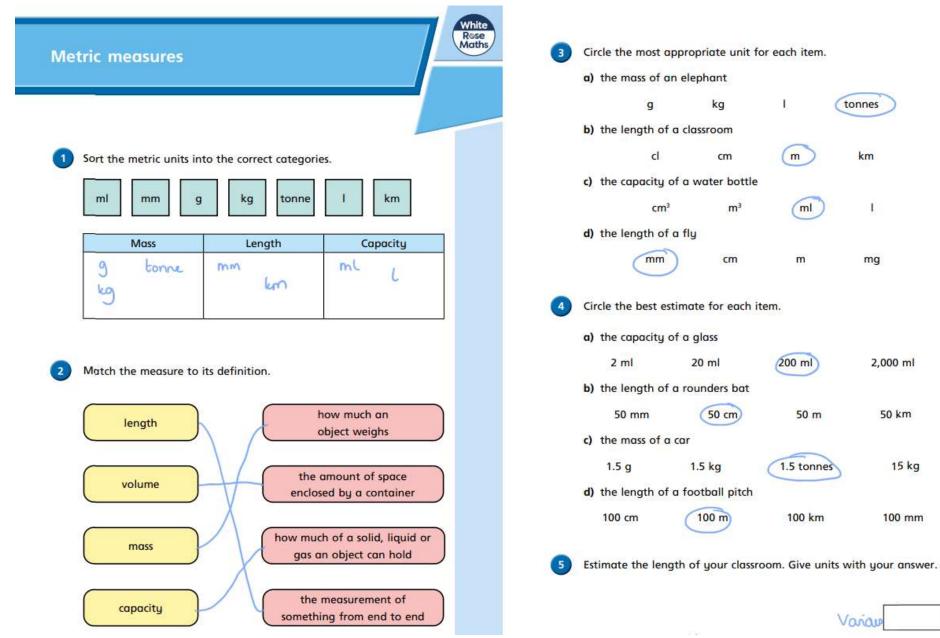
2,000 ml

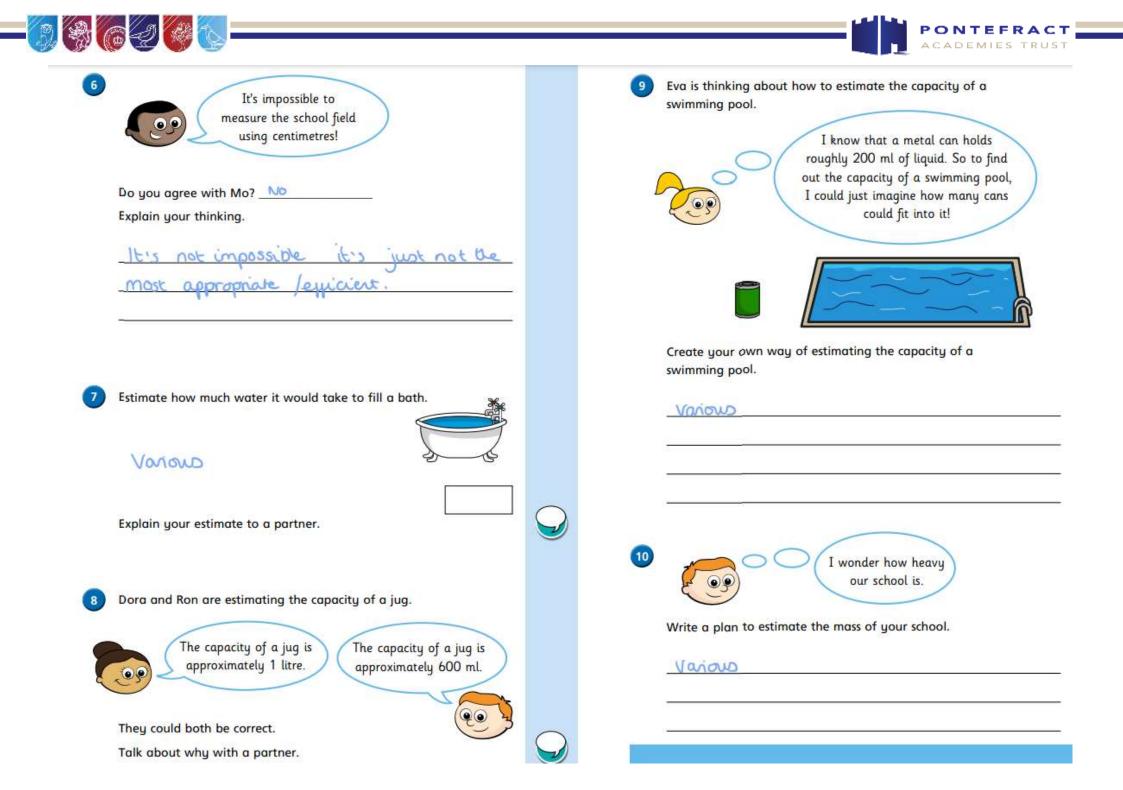
50 km

15 kg

100 mm

Maths Answers Lesson 4









Red Answers

<u>Varied Fluency</u> 1a. Weight – grams; length – centimetres,

millimetres.

2a. 100g is the odd one out; the others are

all units of length.

3a. <mark>rule</mark>r

4a. It is 90m long.

Reasoning and Problem Solving

1a. Various answers, for example:
1km, 880m. Each is around the same distance and both are plausible distances for children to walk.
2a. Various answers, for example:
1 agree with Jaxon because litres is a greater measure of volume than millilitres. In context, 30ml wouldn't fill a cup, so much more water would be needed to fill a paddling pool.
3a. Various answers, for example:
a table leg – 1m, a pencil case – 30cm, a water bottle – 50cm, a rubber – 5cm.

Gold Answers

Varied Fluency, 9a. Weight – tonnes, grams; distance – kilometres; volume – millilitres, m³; area – km². 10a. $\frac{1}{2}$ 50cm³ is the odd one out; the others are all units of area. 11a. bath 12a. It has $\frac{1}{2}$ a 1,600m circumference; It is 100m long.





Reasoning and Problem Solving

7a. Various answers, for example:
2.5m. The missing measurements could be: Martha – 200cm, Jake – 2.2m. These are accurate estimates because each is around the same height, which would be plausible for children in the same class.
8a. Various answers, for example:
I agree with Safeeyah because she has used the correct unit of measurement for area; Pippa's use of m³ refers to volume, not area.
9a. Various answers, for example:

2 pens – 40cm, a chair – 0.5m, a teacher –

1.5m, 2 water bottles - 60cm.

<u>Deepen the Moment</u>

The capacity of the pool is 649.5 L. Estimate the current volume of the pool. Various answers, for example: 461 L

In order to fill the pool as close to capacity as possible, explore the different combinations of bucket Max could use.

You must use at least three different buckets, but can use each one more than once. Various answers, for example: 5 x bucket 5 (92.5 L), 2 x bucket 4 (30 L), 4 x bucket 3

(50 L), 2 x bucket 1 (16 L) to get a total of 188.5 L.



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Maths Answers Lesson 5 (*Twinkl Arithmetic Paper 4*)

question	answer	marks
1	21	1
2	107	1
3	753	1
4	9.2	1
5	7674	1
6	732	1
7	9	1
8	0.33	1
9	$\frac{10}{7}$ or $1\frac{3}{7}$	1
10	90	1
11	9.301	1
12	12	1
13	90	1
14	4200	1
15	<u>1</u> 11	1
16	4560	1
17	86.56	1
18	100 872	1
19	1050	1
20	700	1
21	6.9	1

question	answer	marks
22	188	1
23	24.67	1
24	<u>1</u> 20	1
25	1260	2
26	388 334	1
27	32 <u>1</u>	1
28	1 <u>1</u>	1
29	214	2
30	<u>1</u> 4	1
31	7	1
32	146 227	2
33	456	1
34	45	2
35	<u>5</u> 32	1
36	1 _9 _10	1
		Total 40

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English Answers Lesson 1:

- 1. The Prime Minister at the time of WW2 (Winston Churchill) speaking on the radio (wireless) he would be the person to make such an important announcement like going to war.
- 2. They run to their friends door to see if their friends understand what is going on/ to see if they can explain what 'we are at war' means. For comfort/support and understanding.
- 3. Remember noun= person/place/thing so various answers: door,sister,wireless, radio, country, voice, night, bed, nursery, soldiers etc.
- 4. The author seems to feel scared/frightened/worried/anxious about the war they think about the soldiers dying 'war meant blood' and 'war on that September Sunday made us feel frightened'.
- 5. Utterly
- 6. Lessons learnt and September Sunday
- 7. This poem is set at the start of the war because it begins with the radio announcement that Britain is at war, 'we are at war'. Also, it says that the country needs to be brave and 'there was much to do' highlighting that preparations had only just begun.

English Answers Lesson 2:

Task 1

- 1. On
- 2. Before
- 3. At
- 4. Due to
- 5. In Summer
- 6. Inside
- 7. Under
- 8. In honour of
- 9. Through
- 10. Across

Task 2





	Subordinating conjunction	Preposition
I ate desert <u>after</u> I had eaten my chips.	×	
No one is allowed in <u>after</u> 7 o'clock.		x
He watched it <u>after</u> his dinner.		X

	Subordinating conjunction	Preposition
I walked <u>until</u> I found a river.	×	
The flowers bloomed <u>until</u> the cold autumn weather.	X	
His shift doesn't end <u>until</u> the evening.		×

	Subordinating conjunction	Preposition
Nobody can leave <u>before</u> Wednesday.		X
It was taken <u>before</u> they saw it.	x	
Before she could shout, he had fallen over it.	x	

Task 3

You need to be there before bedtime

English Lesson 3:

Send your mind map of words that you have found to your teacher.

English Lesson 4:

Draft your build-up and send it to your teacher for feedback.

English Lesson 5:

Draft your dilemma and send it to your teacher for feedback.



Reading for Productivity Answers: Lesson 1 Music

- 1. Watching performances in music halls / the middle/upper class would buy sheet music to perform at home.
- 2. The radio had become popular.
- 3. 'Forces' Sweetheart'.
- 4. She was born in Germany.
- 5. Various, e.g. After the war is over, and peace is restored, it will stay that way and people will be happy / in love.
- 6. Various, e.g. In times of war, things were uncertain. People weren't sure when peace would be restored.

Reading for Productivity Answers: Lesson 2 Geography

- 1. Over 50,000 flower workers benefit from Fairtrade.
- 2. Kenya, Ethiopia, Tanzania, Uganda

3. The Fairtrade minimum wage means that farmers cannot be paid below a certain amount.

4. Fairtrade flower farmers must limit the amount of chemicals and pesticides they use on their farms.

5. Kenya



6.





GERBERA





ONTEFRA

SUNFLOWER

ROSE



Reading for Productivity Answers: Lesson 3 Science

- 1. Thermal energy
- 2. Kinetic friction
- 3. Fluid friction
- 4. When cars go too fast on puddles of water due to reduced friction
- 5. Lubricants, like grease and oil or using balls/wheels.
- 6. The roughness of the objects' surfaces and the force applied between the two objects

Reading for Productivity Answers: Lesson 5 Art

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- 1. Bronze
- 2. Castleford, Yorkshire
- 3. He was injured at the Battle of Cambrai
- 4. The artist worked straight on material without using moulds. Marks left from carving tools can be seen on the material.
- 5. A range of different answers: To experience different cultures and their art styles which will influence his own work.
- 6. Although the artist may use shapes or colours that don't physically represent the subject, it is still possible to easily recognise what the art is portraying.
- 7. 4.9 metres wide and 2.4 metres high.
- 8. A range of different answers: Tσ celebrate the many different achievements of Moore who is a British art legend, etc.
- 9. A range of different answers: It was a traumatising time in his life and he used his artwork as a way of expressing his thoughts and feelings at this time, etc.



