

# Friday 3<sup>rd</sup> July

Hello again Year 6,

We do hope that you are keeping well and safe at home and managing to complete your learning as well as enjoying the time with your families.

Here are the activities for this week. In Maths we're starting to look at metric units of measure. There's a mixed bag for English - comprehensions, writing, SPaG and some art too. We've popped in a July Active Challenge for you to do and a lovely Outdoor Learning Challenge that you can continue until you are 11 $\frac{3}{4}$ ! We're learning about 'bouncebackability' in PSHE to help with your move to high school.

If you have some spare time or want to do some extra learning, you could visit <https://www.bbc.co.uk/bitesize> or <https://www.thenational.academy/online-classroom> where there are lots of lessons and activities to choose from.

As always, try to read for at least 20 minutes a day and take Accelerated Reader quizzes from home by using this link [Howley Grange Renaissance at home](#) and logging on as usual using your username and password. To check that the book you are reading has a quiz, you can check it using on [Accelerated Reader Bookfinder](#).

Take care and keep smiling,

We do miss you,

Mrs Graham and Mrs North

# Dear Igor... Persuasive Letters

The kitchen,  
First door on the right,  
This flat

Igor's bed,  
Somewhere among the mess,  
This flat

Dearest son,

We, your parents, are writing this letter to implore you to clear the mess that has become your bedroom. Ordinarily, this would not have become such an issue but a series of recent events have led us to this point.

Firstly, we are becoming increasingly concerned for the welfare of your carpet. Rumours are circulating that it's actually left your room and has travelled to a different house. Until you remove the heaps of dirty clothes and disused toys – revealing the floor below – we will be unable to confirm or deny these claims.

Secondly, we are worried about the level of danger that your room currently presents. Imagine being able to walk from the door to your bed without stubbing your toe or having to stretch to find a safe foothold. You may be thinking that nobody noticed when you stumbled over that toy car last week but we saw the way that your arms waved around as you tried to regain your footing. Surely, you don't want to risk that level of danger every time you need to retrieve something from your bookcase.

Luckily, we have an easy solution: tidying. Simply, place your dirty clothes in the provided bag and put your toys back in the box. Not sure which box to use? We suggest the one that says 'TOYS' on the top. Not only is it within easy reach but it's also spacious enough to hold every one of the toys currently living on your bedroom floor. I think you'll find that this quick, simple and easily deployed method will yield almost immediate results.

Please, for the safety of all who live here, tidy your room.

Yours sincerely,

Your concerned parents

Igor's room,  
Second door on the left,  
This flat

The kitchen,  
First door on the right,  
This flat

Dearest parents,

Thank you for your letter of concern. While you have made some good points, I would like to clarify a few things.

Firstly, my carpet is safe: there is no need to be concerned for its welfare. If my carpet had decided to travel to a different house, don't you think that at least one of us would have noticed? For years, it has enjoyed sitting beneath my various possessions and I see no reason for that suddenly changing.

Secondly, I would like to draw your attention to the conversation that we had last week. In this conversation, you suggested that I step away from my computer and 'stretch my legs'. However, it now seems as though you are against me stretching my legs for a safe foothold! In my opinion, the daily exercise and challenge that navigating my bedroom floor presents is ideal. In short, I have a makeshift gym in my own bedroom and I don't understand why you would want me to dismantle it.

Lastly, you mentioned my small stumble last week. I know you saw; you're not as good at muffling your laughter as you might think. However, I'm disappointed that you didn't notice the soft pile of clothes that I landed on – these undoubtedly shielded me from harm! Surely, you wouldn't want me to put them in a basket therefore leaving myself with no safe landing in the future.

In conclusion, I will not be tidying my bedroom for the multiple reasons mentioned above. I'm sure that you (my parents, who value my safety above all else) will agree.

Yours sincerely,

Igor

The living room,  
Second door on the right,  
This flat

Igor's bed,  
Near Sock Mountain,  
This flat

Igor,

Thank you for your recent reply regarding the state of your bedroom and how you feel as though it should not be cleaned.

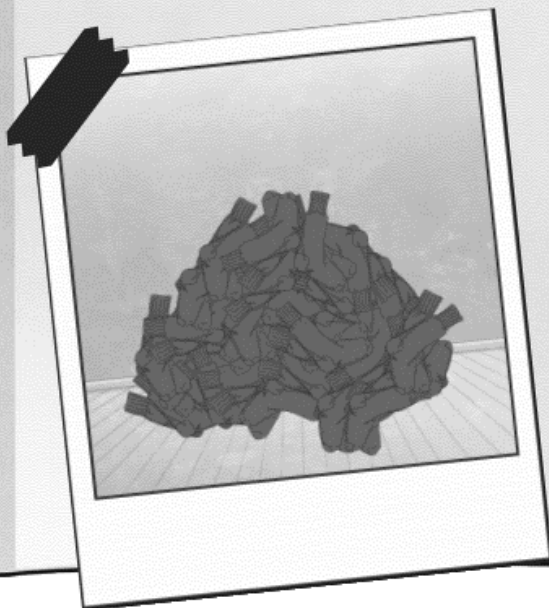
As your parents, who value your safety above all else, we must now insist that the room is tidied. It has gone beyond 'dangerous' and is now in the realm of 'perilous'. Last night, I scarcely managed to navigate my way back through the door after your bedtime story.

Next week, your grandmother will be visiting. I assume that you don't wish to subject her to the sights (and smells) of Sock Mountain.

Please, for the safety of everyone, do what's right and tidy your room.

Yours sincerely,

Your slightly fed up parents



# Questions

1. ...the way that your arms waved around as you tried to regain your footing.

Which of these is the closest definition of the phrase **regain your footing**? Tick one.

- stop yourself from falling
- stick your foot out
- grab onto your feet
- reach the bookcase again

2. Number the events from 1-4 to show the order that they occurred in.

- Igor was told that his grandmother will be visiting.
- Igor's parents expressed concern for his carpet.
- Igor tripped over a toy car.
- Igor said that he will not be tidying his bedroom.

3. Name two different reasons that Igor gives against tidying his bedroom.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_

4. Look at Igor's reply.

Find and copy one word that means the same as **belongings**.

\_\_\_\_\_

5. Why do Igor's parents want to reveal the floor that is below the heaps of dirty clothes and disused toys?

\_\_\_\_\_

6. Compare the letters written by Igor to those written by his parents. How are they similar?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. Explain how Igor's response might have been different if his parents had spoken to him instead of writing a letter.

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8. **Firstly, we are becoming increasingly concerned for the welfare of your carpet. Rumours are circulating that it's actually left your room and has travelled to a different house.** Why do you think that Igor's parents have chosen to personify his carpet?

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9. Summarise Igor's parents' concerns using 30 words or fewer.

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10. Imagine that you are Igor.  
Write a short response back to your parents based on their last letter.

## ANSWERS English Activity 5 - Reading comprehension

1. ...the way that your arms waved around as you tried to regain your footing.

Which of these is the closest definition of the phrase **regain your footing**? Tick one.

- stop yourself from falling**  
 stick your foot out  
 grab onto your feet  
 reach the bookcase again

2. Number the events from 1-4 to show the order that they occurred in.

- 4** Igor was told that his grandmother will be visiting.  
**2** Igor's parents expressed concern for his carpet.  
**1** Igor tripped over a toy car.  
**3** Igor said that he will not be tidying his bedroom.

3. Name two different reasons that Igor gives against tidying his bedroom.

**Accept any two of the following: his carpet is safe; he is able to stretch his legs; his bedroom is like a makeshift gym; the piles of clothes make it safer if he falls; his bedroom would no longer be safe.**

4. Look at Igor's reply.

Find and copy one word that means the same as **belongings**.

**possessions**

5. Why do Igor's parents want to reveal the floor that is below the heaps of dirty clothes and disused toys?

**They want to reveal the floor so that they can check that the carpet is still there.**

6. Compare the letters written by Igor to those written by his parents. How are they similar?

**Pupils' own responses, such as: Both of the letters are set out in the same way and have an address for the sender and the receiver. They also both write their points clearly and explain why they think that they are right.**

7. Explain how Igor's response might have been different if his parents had spoken to him instead of writing a letter.

**Pupils' own responses, such as: If Igor's parents had spoken to him, he might not have had time to think up all of the excuses. This means that he might have had to tidy his bedroom because he couldn't argue against it.**

8. **Firstly, we are becoming increasingly concerned for the welfare of your carpet. Rumours are circulating that it's actually left your room and has travelled to a different house.** Why do you think that Igor's parents have chosen to personify his carpet?

**Pupils' own responses, such as: I think that Igor's parents have done this for effect and to exaggerate how messy his bedroom is. They are trying to make the letter seem a little bit funny so that Igor will listen to them.**

9. Summarise Igor's parents' concerns using 30 words or fewer.

**Pupils' own responses, such as: They are concerned that Igor's bedroom is dangerous, that they can't see the carpet and that his grandma will see and smell Sock Mountain when she comes to visit.**

10. Imagine that you are Igor.

Write a short response back to your parents based on their last letter.

**Pupils' own responses, such as: Thank you for your reply. You make some good points. However, there is no need for grandmother to visit my bedroom. Instead, I will be spending time with her in the kitchen and the living room. Therefore, I will not need to dismantle Sock Mountain. Yours sincerely, Igor.**



## Maths Activity 5a - Ten in ten

1.  $30 + 435 + 390 =$
2. 25% of 8 minutes =
3. What is four squared added to five cubed?
4. How many seconds are there in 5.25 minutes?
5. 13 children on a school trip took an apple. 90% did not. How many children went on the school trip?
6.  $90 \div 3 =$
7.  $70 \times 30 =$
8. How many days are there in 2 years?
9. What number comes before  $-12$ ?
10. Round 31,349 to the nearest 1000.

Remember - ten questions in ten minutes.

There's five extra challenge questions if you have spare time.

11. What is the 13<sup>th</sup> even number?
12. A theatre has 24 rows of 31 seats. How many seats does the theatre have altogether?
13. Which shape am I? I have 8 vertices and all my faces are the same shape and size.
14.  $5^3 - 5^2 =$
15. Write  $\frac{30}{9}$  as a mixed number.

## Maths Activity - Metric units of measure

Over the next few weeks we are going to be extending your learning of units of measure.

Today we are calculating using metric units of measure.





Remember, there is a knowledge postcard and posters from Monday and Tuesday to help if you need it.

The format of the questions is the same as last week:

For Activity 5b, the activities are differentiated as follows:

 (developing) = 

 (expected) =  

 (greater depth) =   

There are Varied Fluency (VF) questions on the left hand side of the page. These questions practise the learning. On the right hand side are Reasoning and Problem Solving (R / PS) questions which apply your learning.

For the Activity 5c, the activities are starred in the same way but the questions are all VF as they are consolidating your learning.

# Maths Activity 5b - Calculating using metric units of measure



1a. A programme is on for 1.5 hours. There is a power cut after 39 minutes.

How many minutes of the programme will be missed?



VF

2a. Tick the correct statement.

A. 3 parcels, weighing 400g each, have a total weight of 1.4kg.

B. The total weight of a 2.5kg case and a 2.2kg bag is under the 4,800g limit.

C. If Tom takes 320g of flour out of a 1.1kg bag, he has 680g left in the bag.



VF

3a. A wedding dress is 2.7m long. The box to store it in is 245cm long.

How many centimetres will need to be folded over?



VF

4a. The recipe needs:

water	60ml
milk	0.75L
oil	_____ml

The total amount of liquid in this recipe is 820ml. How much oil is there?



VF

1a. A sign in the petrol station reads:

**Petrol: £1 per 1.8L**  
**Diesel: £1 for 1,650ml**

How many more ml of petrol do you get per £1 than diesel?



PS

2a. Arrange the digit cards to make the following statement true.

? 8 ? cm > 0 . ? m

8 4 9



PS

3a. A lift can hold up to 500kg. An average person weighs 70kg. Marcus says,



Eight people can get in the lift together.

Is he correct? Explain your answer.



R



5a. Jenny has 3.35 litres of milk left in the fridge. The porridge needs  $\frac{3}{4}$  litres of milk.

How many millilitres of milk will she have left over?



VF

6a. Tick the correct statement.

A. Sally can cut 14 lengths of 0.25m from a 3m plank of wood.

B. Toby can cut 12 lengths of  $\frac{3}{4}$  m from a 9m plank of wood.

C. John can cut 6.5 lengths of 70cm from a 4m plank of wood.



VF

7a. Daniel has a bath that lasts 1.25 hours. Later that day he showers for 16 minutes.

How many minutes in total does he spend washing himself that day?



VF

8a. The table shows the weight of some animals at the wildlife park.

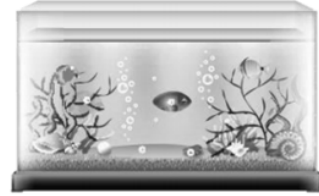
Tiger	Meerkat	Lion	Asian Otter	Indri Lemur
196kg	750g	_____kg	$\frac{1}{4}$ kg	9.5kg

Their total weight is 566.5kg. What is the weight of the lion?



VF

4a. A fish tank needs 3.75L of water to fill it. The tank has to be filled using a jug that holds  $\frac{3}{4}$  of a litre.



How many jugs will it take to fill the tank?



PS

5a. Arrange the digit cards to make the following statement true.

0
.
?
 kg > 
 ?
0
?
 g

7
0
5



PS

6a. A piece a ribbon wrapped around a jar measures 10cm. Diana buys a length of ribbon and says,



This length is 2.75m and will be long enough to wrap 30 jars.

Is she correct? Explain your answer.



R



9a. A performance lasts for 150 minutes. It is shown four times during the week.

How many hours of performing time are left that week if 45% of it is already completed?



VF

10a. Tick the correct statement.

A.  $\frac{3}{5}$  of a litre can fill two 350ml glasses to maximum capacity.

B. Tim has drunk 2,050ml of water. He must drink 0.05L more to reach his 3L target.

C. If 15% has been poured out of a full 1.3L bottle, there will be 1.105L left.



VF

11a. A large bag of potatoes weighs 6kg and a box of sugar weighs  $\frac{3}{5}$  of the weight of potatoes.

How heavy is the sugar in grams?



VF

12a. Four girls have their hair cut and donate it for wigs.

Maddie	Niamh	Amy	Eden
_____m	45% of 125cm	$\frac{4}{7}$ of 140cm	0.120m

The total length of hair donated is 182.25cm. How much hair did Maddie donate?



VF

7a. Mum bought the wrong curtains. They are 208cm long, which is  $\frac{3}{5}$  of a metre too short.



How long should the curtains have been in metres?



PS

8a. Jayne has 3.85L of lemonade. Dom has 40% more than her. Show his measurement compared to Jayne's using the digit cards.

5 ? ? 0 ml > ? . 8 ? L

3 9 5



PS

9a. Each child brings in a tin of food for the Harvest festival. A tin weighs 405g. There are 30 children in the class. Jacob says,



$\frac{2}{3}$  of the tins will weigh 8.1kg.

Is he correct? Explain your answer.



R

# Maths Activity 5c - Calculating using metric units of measure

1. Match the calculations to their correct answers.

A. Carl has 7 cars measuring 0.4m each. How long are they altogether?

170cm

B. Mel's skipping rope is 5.8m long. She cuts it into 2 equal pieces. How long is each piece?

235cm

C. Ben's tower is 2.2m high. He removes a 50cm high block off the top. How tall is his tower now?

280cm

D. Toni's banner is 1.4m long. Kelly's banner is 95cm long. How long are the banners altogether?

290cm



VF  
HW/Ext

2. Circle the calculation that gives a different answer from the rest.

A. 1.3kg of flour is added to 800g of butter. How much do they weigh altogether in kilograms?

B. 1 tub of butter icing weighs 450g. How much would 4 tubs weigh in kilograms?

C. A box of sweets weighs 2.5kg. If 700g get eaten, how many kilograms of sweets are left?

D. A cake weighs 3,600g. It is cut into 2 equal pieces. What is the weight of 1 piece in kilograms?



VF  
HW/Ext

3. A factory squeezes 550ml of orange every 10 seconds.

Toby says,



I think that the factory squeezes 3,300 litres of orange juice every minute.

Do you agree? Explain why.





## Calculate with Metric Measures

4. Match the calculations to their correct answers.

A. My ribbon is 225cm long. I sell 1.52m of it. How much ribbon do I have left?

1.49m

B. 1 plank of wood is 455cm long. How long would 5 identical planks of wood be?

0.73m

C. Jen was 134cm tall. Since then, she has grown a further 15cm. How tall is Jen now?

20m

D. We need to travel 1.25km. We have gone 1,230m so far. How much further do they need to travel?

22.75m



VF  
HW/Ext

5. Circle the calculation that gives a different answer from the rest.

A. 1 pack of bacon weighs 0.306kg. How much would 4 packs weigh in grams?

B.  $\frac{1}{2}$  kg of flour is added to 724g of sugar. How much do they weigh altogether in grams?

C. 8 eggs (weighing 49g each) are added to 0.832kg of butter. What is the total weight in grams?

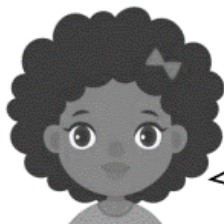
D. If 1 sausage weighs 0.09kg, how much would 12 sausages weigh in grams?



VF  
HW/Ext

6. A shop sells 515ml of flavoured water every 5 seconds.

Jenna says,



I think that the shop sells 61.8 litres of flavoured water every minute.

Do you agree? Explain why.



RPS  
HW/Ext



## Calculate with Metric Measures

7. Match the calculations to their correct answers.

A.  $\frac{5}{8}$  m added to 12.5cm.

0.076m

B. 35% of 1.1km subtract 0.384km

0.75m

C. 228mm cut into 3 equal pieces.

0.74m

D.  $\frac{2}{5}$  of 1 cm added to 0.736m.

1m



VF  
HW/Ext

8. Circle the calculation that gives a different answer from the rest.

A. 25% of a 1.5kg bag of sugar is added to 308g of butter. What is the total weight in grams?

B. A 1kg bag of flour is  $\frac{7}{8}$  full. 192g of this is used in a recipe. How many grams of flour remain?

C. 1 pack of marzipan weighs  $\frac{2}{5}$  of 1kg. How much would 1.5 packs weigh in grams?

D. How much does 45% of a 1.2kg bag of potatoes and 143g of onions weigh (in grams) in total?



VF  
HW/Ext

9. A farm produces 184ml of milk every 3 seconds. 20% of that is wasted.

Sunil says,



I think that the farm produces 3.68 litres of usable milk every minute.

Do you agree? Explain why.



RPS  
HW/Ext



## ANSWERS Maths Activity 5a - Ten in ten

1.  $30 + 435 + 390 = 855$

2. 25% of 8 minutes =  
**2 minutes**

3. What is four squared  
added to five cubed? **141**

4. How many seconds  
are there in 5.25  
minutes? **315**

5. 13 children on a  
school trip took an  
apple. 90% did not.  
How many children went  
on the school trip? **130**

6.  $90 \div 3 = 30$

7.  $70 \times 30 = 2100$

8. How many days are  
there in 2 years? **730**

9. What number comes  
before  $-12$ ?  **$-13$**

10. Round 31,349 to the  
nearest 1000. **31,000**

11. What is the 13<sup>th</sup>  
even number? **26**

12. A theatre has 24  
rows of 31 seats. How  
many seats does the  
theatre have altogether?  
**744**

13. Which shape am I?  
I have 8 vertices and all  
my faces are the same  
shape and size. **cube**

14.  $5^3 - 5^2 = 100$

15. Write  $\frac{30}{9}$  as a mixed  
number.  **$3\frac{3}{9}$**

# ANSWERS Maths Activity 5b - Calculating using metric units of measure

## Varied Fluency Calculate with Metric Measures

### Developing

- 1a. 51 minutes
- 2a. B
- 3a. 25cm
- 4a. 10ml

### Expected

- 5a. 2,600ml
- 6a. B
- 7a. 91 minutes
- 8a. 360kg

### Greater Depth

- 9a. 5.5 hours
- 10a. C
- 11a. 3,600g
- 12a. 0.34m

## Reasoning and Problem Solving Calculate with Metric Measures

### Developing

- 1a. 150ml
- 2a. 984cm > 0.8m; 889cm > 0.4m; 988cm > 0.4m
- 3a. Marcus is incorrect, because 8 x 70kg is greater than 500kg (560kg).

### Expected

- 4a. 5 jugs
- 5a. 0.7kg > 500g; 0.7kg > 0.05kg; 0.5kg > 0.07kg
- 6a. Diana is incorrect because the length needed for 30 jars is 30 x 10cm = 300cm or 3m

### Greater Depth

- 7a. 2.68m
- 8a. 5,390ml > 3.85L
- 9a. Yes, Jacob is correct because 30 x 405g = 12,150g. Two thirds of this is 8,100g 8.1kg.

# ANSWERS Maths Activity 5b - Calculating using metric units of measure

## Developing

1.  $A = 280\text{cm}$ ,  $B = 290\text{cm}$ ,  $C = 170\text{cm}$ ,  $D = 235\text{cm}$
2.  $A = 2.1\text{kg}$  whereas  $B$ ,  $C$  and  $D = 1.8\text{kg}$
3. Toby is incorrect.  $3,300\text{ml}$  of juice is squeezed every minute, which is actually  $3.3$  litres.

## Expected

4.  $A = 0.73\text{m}$ ,  $B = 22.75\text{m}$ ,  $C = 1.49\text{m}$ ,  $D = 20\text{m}$
5.  $D = 1,080\text{g}$  whereas  $A$ ,  $B$  and  $C = 1,224\text{g}$
6. Jenna is incorrect. When converting her answer to litres, she has divided by  $100$  instead of  $1,000$ . The correct answer is  $6.18$  litres.

## Greater Depth

7.  $A = 0.75\text{m}$ ,  $B = 1\text{m}$ ,  $C = 0.076\text{m}$ ,  $D = 0.74\text{m}$
8.  $C = 600\text{g}$  whereas  $A$ ,  $B$  and  $D = 683\text{g}$
9. Sunil is incorrect. He has forgotten to factor in the  $20\%$  waste. The correct answer is  $2.944$  litres.

# Art - Drawing with everyday objects

## Finding Inspiration

Drawing is a great way to get creative and practice skills. You can find inspiration all around you, even in the simplest of things. Why not try drawing around an everyday object to create a scene, animal, person or object?



What's lurking in the drawer that could become a work of art?

Here's some examples for inspiration...

