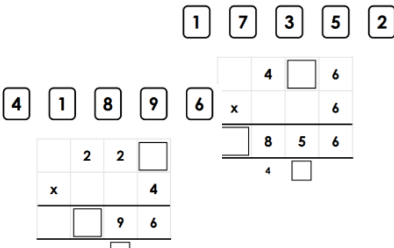

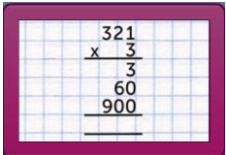



TIMETABLE Class 4 Week 18/01/21

Hello Class 4. I hope that you are all well. Here is your learning for this week. This week the focus piece of work that we would like you to work on and email through is the electricity poster or leaflet. We really hope that you are all well and managing to do your learning. I'm looking forward to seeing you all on the next zoom meeting. Take care and stay safe. Mrs N.

	Maths	Literacy	Other	Ongoing
Day 1	<p>This week we are continuing to learn about multiplication using White Rose Maths to help us. Start by watching - https://vimeo.com/492101238</p> <p>Watch the video and stop at the relevant points to complete the sheet below.</p> <p>If you would like to challenge yourself further have a go at the following word problems –</p> <p>If a baker bakes 52 loaves of bread every day, how many will he have baked in 7 days?</p> <p>Charlie has packed his soldiers into 4 boxes ready to move house. In each box, he has managed to pack 165 soldiers. How many soldiers does Charlie have altogether in the boxes?</p> <p>For the Oscars, 246 special goody bags have been prepared. Each bag has 6 special presents inside. How many presents has the organiser had to buy for these bags?</p>	<p>The Beginning Click on the link to Pobble: https://www.pobble365.com/the-beginning/</p> <p>Look at the picture and read the story starter. (Ask a grown up to help you). 'Fortuitous' means happening by luck or chance.</p> <p>Look at the Question Time! questions – talk through your answers with a grown up. Have a go at answering the questions below – remember to explain your answers fully, in complete sentences.</p> <ol style="list-style-type: none"> 1. Why do you think the picture is called 'The Beginning'? 2. Who do you think the lady is? 3. Explain how you think the lady felt when she saw what was happening. 4. How do you think the tiny people felt when they saw the lady? 5. How do you think the tiny people communicate (Talk?). Can the lady hear them? 6. What did the lady do next? 7. What did the tiny people do next? 8. Would you rather be the lady or one of the tiny people? Explain why? 9. Finally, illustrate (draw) some of your answers. 	<p>History Today we are introducing this term's history topic – the Ancient Greeks. You will know where Greece is from your learning last week. Look at https://earth.google.com/ and find Greece. Can you name any countries nearby? I wonder what ancient means? Have a think. Look at the sheet at the bottom of the timetable. Can you sort the pictures into ancient and modern?</p> <p>Read the sentences below the pictures- which ones are about 'ancient' Greece and which are about 'modern' Greece? What interests you about Modern Greece/ Ancient Greece?</p> <p>Task Make a title page for our topic work this term (see below). Think of some questions that you would like to answer and write them on the title page. At the end of term you can see if you are able to answer them. Perhaps you want to know more about what people wore or what they ate? If you are unable to print, you can draw your own.</p> <p>Finally: Listen to Ancient Greek Thinkers Song – Horrible Histories https://www.youtube.com/watch?v=9wCYmMi0h9U</p>	<p>Daily Reading Read for 15 minutes and record in your black reading folder.</p> <p>Daily Tables Continue to focus on a X table that you know you need to work on. Write that X table out. You could put tricky sums on postit notes around the house and say them out loud every time you see one!</p> <p>Daily Spellings This week we are going to investigate word families. Here is a word family for the word claim – Claim, claims, claimed, claiming, claimant, exclaim, exclaims, exclaimed, exclaiming, exclamation, reclaim, reclaims, reclaimed, reclaiming and reclamation.</p> <p>Can you generate a word family for the word 'solve'? I thought of 13 words that could belong in this family. How many can you think of?</p>
	<p>We are continuing to learn about multiplication using White Rose Maths to help us. Today we're going to concentrate on more formal methods of written</p>	<p>Look back at the picture on pobble https://www.pobble365.com/the-beginning/</p>	<p>Science- Electricity Click on the link: https://www.bbc.co.uk/bitesize/clips/zwqd7ty What do you notice about all the things shown in the clip?</p>	<p>Daily Reading Complete the reading comprehension – Electricity (below).</p> <p>Daily Tables Make X table flowers</p>

<p>Day 2</p>	<p>multiplication. Start by watching the following – https://vimeo.com/492463370 Watch the video and stop at the relevant points to complete the sheet below. If you would like to challenge yourself further, have a go at completing the following – Add the missing digit to the calculation below. Complete the place value chart to help you.</p> <table border="1" data-bbox="203 491 577 699"> <tr> <td></td> <td>2</td> <td>3</td> <td></td> </tr> <tr> <td>x</td> <td></td> <td></td> <td>2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>8</td> </tr> <tr> <td></td> <td></td> <td>6</td> <td>0</td> </tr> <tr> <td></td> <td>4</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td>4</td> <td>6</td> <td>8</td> </tr> </table> <table border="1" data-bbox="203 560 427 627"> <tr> <th>Hundreds</th> <th>Tens</th> <th>Ones</th> </tr> <tr> <td>●●</td> <td>●●●</td> <td></td> </tr> </table>		2	3		x			2				8			6	0		4	0	0		4	6	8	Hundreds	Tens	Ones	●●	●●●		<p>Imagine that the lady and the tiny people have a conversation. What do you think they would say? Log onto espresso https://www.discoveryeducation.co.uk/ Click log on, then select espresso Username: student3817 Password: milverton Select KS2, English, Grammar and Punctuation, choose ‘punctuation’</p> <p>Watch the first video called ‘Introduction to speech marks’ to remind yourself of how to use speech marks correctly. <u>Task:</u> Write a conversation between the lady and the tiny people. Do you think they would be friends? What do you think they would plan together to do next? <u>Extension:</u> Complete the 2 quizzes and activity on espresso linked with the video.</p>	<p>Click on the link https://classroom.thenational.academy/lessons/how-much-do-we-rely-on-electricity-cnkhct This lesson explores electrical and non- electrical devices and where electricity comes from. Please DO NOT do the quiz- it covers information you have not learnt yet. Watch the lesson video and complete the tasks. Lastly read the information slides (large versions below the timetable)</p> <div data-bbox="1081 392 1543 560"> </div> <p><u>Task:</u> Design a poster or leaflet showing all you have learnt about electricity today, you could include - how it is generated, different types of electricity and what electricity is used for.</p>	<div data-bbox="1771 145 1917 284"> </div> <p>Put the X table you are doing in the middle, then draw and number 12 petals. From those 12 petals write the answer of your middle number times by the petal number on the outer petal. <u>Daily Spellings</u> Choose 10 words from either the claim or the solve word family and start to learn them.</p>
	2	3																																
x			2																															
			8																															
		6	0																															
	4	0	0																															
	4	6	8																															
Hundreds	Tens	Ones																																
●●	●●●																																	
<p>Day 3</p>	<p>We’re using White Rose Maths again today to carry on with written methods of multiplication. Today we’re going to use the written method of multiplication to multiply a 3 digit by a 1 digit number. Start by watching https://vimeo.com/492456871 Watch the video and stop at the relevant points to complete the sheet below. If you would like to challenge yourself further, have a go at completing the following – Work out which digits are missing from the calculation.</p>	<p>Sick sentences! Look back at the pobble picture ‘The Beginning’. Scroll down and read the sentences that are ‘sick’ and need help to get better. Can you rewrite them by adding adverbs and other interesting words and phrases? Next – follow yesterday’s instructions to log onto espresso, and find the second video ‘Using speech marks to punctuate direct speech’. Now write out the following using the correct punctuation. Remember, when a new character speaks you need to start a new line. What’s happening, exclaimed the lady. We’ve come to save the world, whispered a tiny voice. But how will you do that? Asked the lady. Just because</p>	<p>Geography Today we’re going to think about the climate in Greece. I wonder what it’s like? Some of you may have been on holiday there? Use a weather app or website to find out what the weather is like in Greece today. You could use https://www.bbc.co.uk/weather?& Now compare to the weather where you are today. What’s the difference? Look at the graph and table below of average temperatures. Greece has a warm, sunny climate with temperatures that peak at about 33 C in the summer months of June, July and August, lowering to between 13 C and 15 C from December to February. Rainfall in Greece peaks at about 65mm in December and January, but lowers to only 6mm in July and August. Watch a weather forecast on TV or find one on YouTube https://www.youtube.com/watch?v=dB4gGvgGptE Now have a go at writing your own weather forecast for Greece based on what you know about the climate</p>	<p>Daily Reading From a book you have just read, select either an important object or creature and create a user manual or a guide explaining how to care for it. <u>Daily Tables</u> Play coconut multiples https://www.topmarks.co.uk/times-tables/coconut-multiples Choose the X table that you are focusing on. <u>Daily Spellings</u> Look at your words, cover them up, say them out loud and then write them. Finally, check. Did you spell them correctly?</p>																														

		<p>we are small, it doesn't mean we can't make a difference. The woman paused for a while, then with a smile on her face said, what a wonderful attitude to have.</p>	<p>there. Once you have written your forecast, have a go at presenting it to your family. PE Have another go at completing your challenge from last week. Can you add one more onto your score? Keep on persevering and don't give up!</p>	
<p>Day 4</p>	<p>Start by logging onto espresso. Select KS2, maths, scroll down and click on multiplication and division (LKS2)</p>  <p>Watch the video 'Written calculations: multiplying 3-digit numbers by 1-digit numbers'</p>  <p>To secure your understanding of this method complete the sums on the sheet below. If you have any extra time, log onto the bbc link below and complete the online quiz. You will need a pencil and paper so that you can work out the answers using the written method of multiplication. https://www.bbc.co.uk/bitesize/articles/zjy2xyc</p>	<p>Using the picture 'The Beginning' today you're going to complete the story. Read the Story starter! Continue writing the story. Try and use lots of interesting words and phrases to make the story full of detail. Remember to use adjectives and adverbs to add detail and description. Could you also include a conversation in your story which will need punctuating with speech marks?</p> 	<p>RE Watch the following clip about The Bible, then write out the answers to the questions. https://www.bbc.co.uk/bitesize/clips/z24wmp3 -What do Christians often call The Bible? -How many books are in The Bible? -The Bible is made up of 2 sections, what are these sections called? -Where does the word Bible come from and what does it mean? -How many words are there in The Bible? -How many books make up the Old Testament? The Bible was not originally written in book form. Paper was not developed yet. At first, people wrote in clay, in rock or on fibres like papyrus. Then they began making long strips of papyrus or parchment, rolling them up as scrolls. Can you draw a picture of what you think The Bible would have looked like or maybe have a go at making a scroll. News Go onto espresso https://www.discoveryeducation.co.uk/ click log on then select Espresso username: student3817 password: milverton Go onto the KS2 page and watch this week's news and complete the newsbites quiz.</p>	<p>Daily Reading Read for 15 minutes and record in your black reading folder. Daily Tables Complete the Fancy Times tables sheet below with the X table that you have been learning this week. Daily Spellings Write two of each of your words on bits of paper and make a game of pairs. Play the game as well as memorising which words are where, can you also memorise how they are spelt?</p>
<p>Day 5</p>	<p>Today I have set you some activities to do on MyMaths. 1.Short Multiplication 2.More Short Multiplication Remember to do the My Maths lesson beforehand and then have a go at the 2 activities set.</p>	<p>Based on the picture you have been writing about, can you create your own planet? You could draw and describe it. Would the land be all joined together or spread out like the Earth? Would there be seas in between? What colour would it be? What could it be made from?</p>	<p>French Last week we noticed that the days of the week do not have a capital letter in French. Can you remember all the days of the week? We're going to learn 2 new words in French. avant means before après means after</p>	<p>Daily Reading Daily reading. Log onto https://stories.audible.com/discovery and choose a story or two from the Elementary section to listen to and enjoy. Daily Tables</p>



Using this information, can you write out and complete the following?

Avant and après (before and after)

- avant mardi c'est _____
- après jeudi c'est _____
- après samedi c'est _____
- avant vendredi c'est _____
- après dimanche c'est _____
- avant mercredi c'est _____

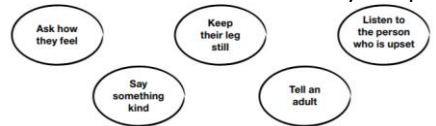
If you have a printer, you could print out the chatterbox below, fold and play with someone at home using numbers to reveal the answer you must say the french word hidden behind the English

PSHE

It is important to remember that everyone experiences life differently, and it is important to understand how others feel. Understanding how others feel can help us be kinder to them, and to create a kinder world. Look at the stories below, can you imagine being the people below? How might they feel?

Story	How might they feel?
1. Your friend doesn't understand the homework, they think it is too difficult for them.	
2. A family member wants to share a story with the family about something important to them. Nobody is listening to them.	
3. Someone is calling your friend names because they are different. Other people are laughing.	
4. Someone has fallen over and hurt their leg quite badly. <small>(to learn the first aid skill for this injury, go to the first aid pages)</small>	

Think about the people above. Imagine you were there, what could you do to help them? Which things below could you do to help? Write the number of the story next to the kind solution. Some can be used in all the situations. Which ones are always helpful?



Ask your grown up to test you on the X table you have been focusing on this week.

Daily Spellings

Ask a grown up to test you on the 10 words from the word family you have been learning this week.

Monday - History - Ancient and Modern

Look at the pictures below - which ones show 'ancient' Greece and which show 'modern' Greece?



Can you sort these statements into ancient and modern?

No Greek village is complete without a traditional coffee shop, the "kafenio".

The Empire was most powerful between 2000BC and 146BC.

They developed new ideas for government, science, philosophy, religion and art.

Many people went barefoot. Some wore leather sandals.

Greece is a popular holiday destination due to its sunny climate.

Rich women only went shopping with a slave.

People visit Greece to see the ruins of temples and buildings.

Spring 2021 Quest:

I wonder.....?


The Ancient Greeks




My questions: I wonder.....

Electricity


Many things that we use every day are powered by electricity.




toasters




lights




radios



trains



hair dryers




some cars...


...and many more things rely on electricity to work properly. When charged particles move through a wire or a conductor, we call this current 'electricity'.

Did You Know...?


- The first electric motor was invented around 1821 by Michael Faraday.
- Electricity can be very dangerous as you can get an electric shock from it. You need to be sensible around electrical devices.
- Electrical current flows more easily through silver, copper, and gold.




Energy Sources Used to Generate Electricity

 **Fossil fuels (gas, coal and oil)**

- These will run out.
- Burning them releases pollution and can cause harm to animals and people.

 **Nuclear**

- Some electricity is generated in nuclear power stations.
- Many of these older power stations are being closed and new ones are being built.

 **Renewable energy**

- Energy sources include wind, wave, hydro, biomass and solar.
- They will not run out.
- Using them causes a lot less pollution.

Where is Electricity Generated?

Electricity can be generated in power stations, wind turbines and solar panels. Electrical charge flows through wires to where it needs to be used, like in homes, hospitals and factories.

Questions

1. Which of the following is not powered by electricity? Tick one.

- hair dryer
- radio
- bicycle
- All of the above

2. Find and copy one word that means 'made'.

3. Draw **three** lines to match each energy source with each fact.

Nuclear	These will not run out.
Renewable energy	These will run out.
Fossil fuels	Many of these older power stations are being closed and replaced with new ones.

4. Tick the boxes to say whether the statements below are **true** or **false**.

Statement	true	false
Oil is a renewable source of energy.		
Electricity generated from renewable energy sources causes less pollution than electricity generated from fossil fuels.		
All electricity is generated in nuclear power stations.		

5. How does electrical charge get to where it needs to be used? Tick one.

- it travels through air particles
- it flows through wires
- it is transported by car
- it travels through the ground

6. Fill in the missing words.

Electricity can be generated in power stations, _____ and solar panels.

7. Electrical current flows more easily through silver, copper, and gold.

Which material do you think is most often used for electrical wires?

Explain your answer using evidence from the text.

What is Electricity?

Definition:
When we refer to **electricity**, what we usually mean is **electric current**, which is the **flow of electric charge**.

Electricity occurs naturally. Some examples include:





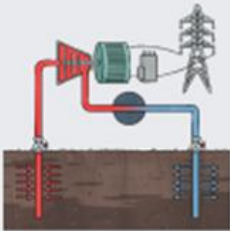



		
Lightning	Static electricity	Bioelectricity is produced in living things, such as electric eels

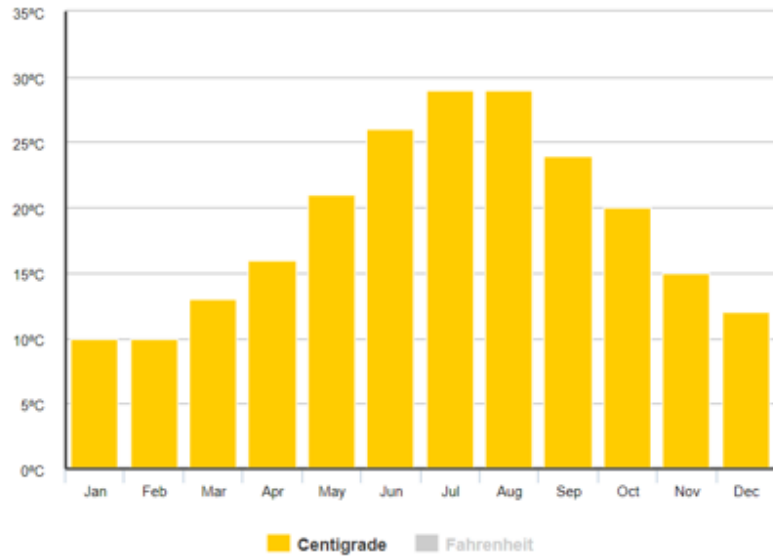
Photo courtesy of iStock.com/andreaschneiders and iStock.com/geralt under media elements license - artstation

Where Does Electricity Come From?

Can you match the images of the primary energy sources with their names? Click each image to see which energy source it matches with.

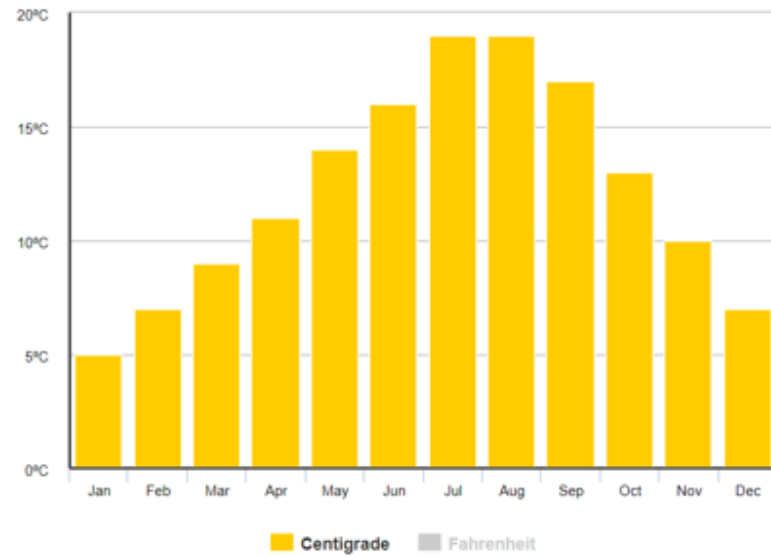
Fossil Fuels	Geothermal	Hydro and Wind	Solar	Nuclear
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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
°C	10	10	13	16	21	26	29	29	24	20	15	12
°F	50	51	55	60	69	78	83	84	76	67	59	53

Average temperatures in Athens, Greece





	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
°C	5	7	9	11	14	16	19	19	17	13	10	7
°F	41	45	48	52	57	60	66	66	62	55	49	45

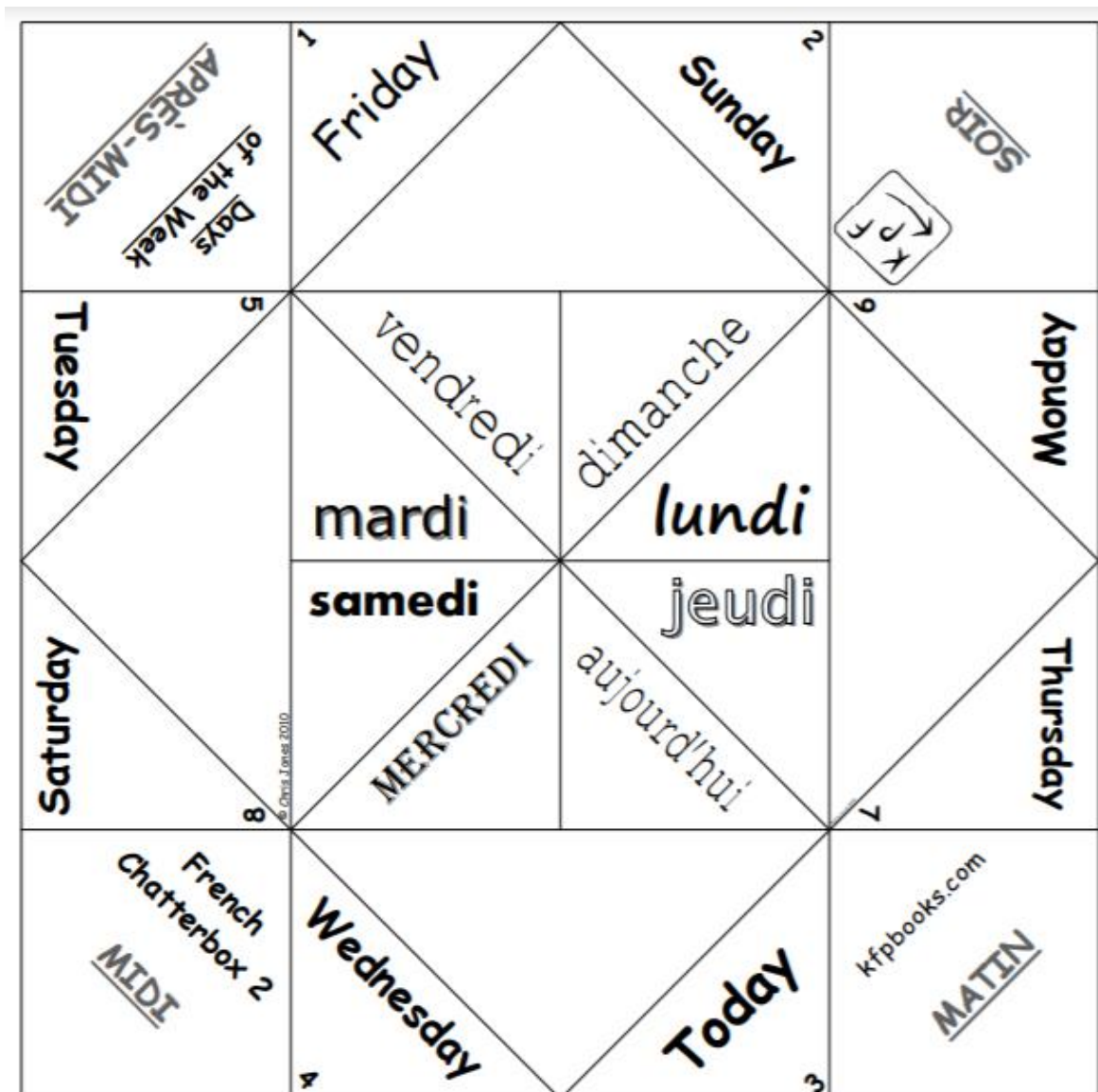
Average temperatures in London, England

Fancy Times Tables

Use your fanciest handwriting to copy out your x tables

example $2 \times 9 = 18$





Key Facts Publications

Instructions for Making the Chatterbox

1. Cut out the square Chatterbox.
2. Fold and unfold the Chatterbox, along all four lines of symmetry. The creases will form a 'star' in the centre of the sheet.
3. Place on a flat surface, the blank side facing up. Fold each corner into the centre of the 'star'.
4. Turn the Chatterbox over. Fold each corner into the centre of the 'star'.
5. Fold the Chatterbox in half - so facing outwards, are four square flaps.
6. Insert your thumbs and index fingers under the flaps. As you pinch your fingers together, the Chatterbox will take shape.
7. Or ask any child in your class!!!

Multiply 2-digits by 1-digit (1)

1 Ron, Eva and Mo each have 23 marbles.

Tens	Ones

How many marbles are there in total?

3×3 ones =

3×2 tens =

+ =

3×23 =

There are marbles in total.



2 Use the place value chart to work out 2×24

Complete the multiplication sentences.

Tens	Ones

2×4 =

2×20 =

2×24 =

3 Annie works out $43 \times 2 = 86$

Tens	Ones

T	O
4	3
\times	2
8	6

Talk about Annie's methods with a partner.

What is the same? What is different?

4 Complete the multiplications.

a)

T	O
2	4
\times	2

b)

T	O
4	4
\times	2

c) 31×3

d) 42×2

Compare answers with a partner.



5 Jack is trying to work out 34×2 using the column method.



I'm not sure what to do.

			2
\times	3	4	

Show how Jack could improve his column method and work out the answer.

6 One toaster costs £32
How much do 3 toasters cost?



7 Whitney has multiplied a 2-digit number by a 1-digit number.



I had to do $30 + 9 = 39$ to get my answer.

What numbers is Whitney multiplying?

Fill in the missing digits.

\times			
	3	9	

8 Filip used the column method to work out 41×2



I can work this multiplication out in my head.

		4	1
\times			2

a) How do you think Eva will work this out in her head?

b) Tick the multiplications that you can work out in your head.

4×22

3×23

3×33

12×4

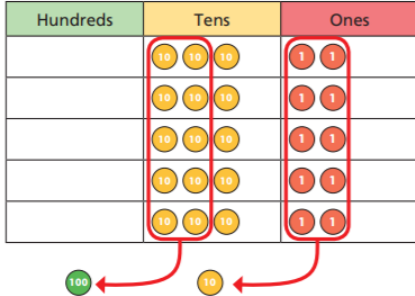
3×32

4×20

Multiply 2-digits by 1-digit

Maths

1 Brett uses a place value chart to work out 5×32



Talk about Brett's method with a partner.

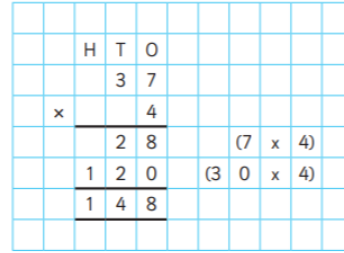
Complete the multiplication.

$5 \times 32 = \square$

Use Brett's method to work out 6×34

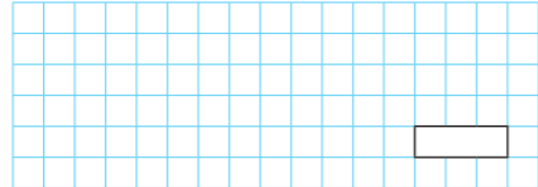
$6 \times 34 = \square$

2 Rosie works out 4×37 using a written method.

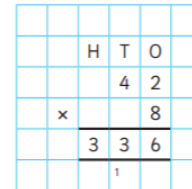


Talk about Rosie's method with a partner.

Use Rosie's method to work out 6×28

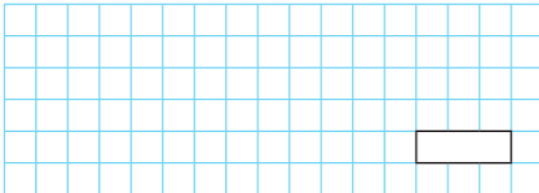


3 Dani uses a different written method to work out 8×42



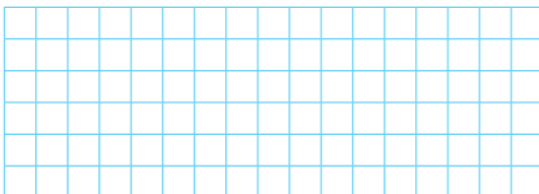
Talk about Dani's method with a partner.

Use Dani's method to work out 3×27

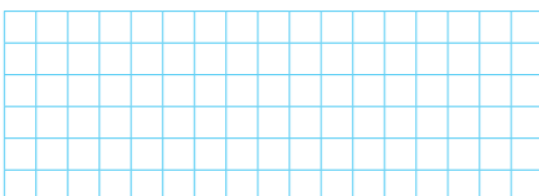


4 Use a written method to complete the multiplications.

a) $38 \times 6 = \square$ c) $45 \times 9 = \square$



b) $71 \times 3 = \square$ d) $52 \times 5 = \square$



5 Class 4 is selling tickets for a play.

Tickets cost £5 per person.

56 tickets have been sold so far.

How much money has Class 4 collected?

6 Rosie buys 8 bunches of flowers. Each bunch has 17 flowers.

How many flowers does she have altogether?

Multiply 3-digits by 1-digit

Maths

1 Filip uses a place value chart to help him multiply a 3-digit number by a 1-digit number.

Hundreds	Tens	Ones
100	10 10	1 1 1 1
100	10 10	1 1 1 1
100	10 10	1 1 1 1

a) What multiplication is Filip working out?

×

b) What is the answer to Filip's multiplication?

2 Use place value counters to complete the multiplications.

a) $3 \times 213 = \square$

d) $6 \times 106 = \square$

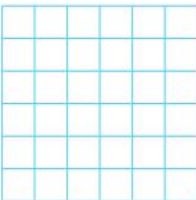
b) $4 \times 216 = \square$

e) $4 \times 209 = \square$

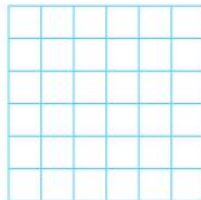
c) $5 \times 106 = \square$

f) $317 \times 3 = \square$

e) 3×240



f) 7×131



5 A lorry driver travels 156 km per day. How many kilometres will the lorry driver have travelled after 3 days?

6 Ron and Teddy are working out 5×245



Ron

I know the answer will be greater than 1,000 because I know 5×200 is 1,000



Teddy

I know the answer should end in 5 because I know 5×5 is 25

a) Who is correct? Circle your answer.

- Ron Teddy both neither

3 Complete the multiplication.

Use the place value chart to help you.

H	T	O
100 100	10	1 1 1 1 1
100 100	10	1 1 1 1 1
100 100	10	1 1 1 1 1

	H	T	O
	2	1	5
×			3

4 Complete the multiplications.

a)

	H	T	O
	2	1	7
×			4

c)

	H	T	O
	1	0	8
×			6

b)

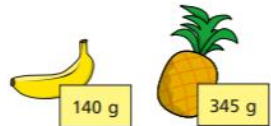
	H	T	O
	4	3	9
×			2

d) 163×5

b) Use a written method to work out 5×245

7 There are 7 year groups in a school. There are 112 children in each year group. How many children are there in the whole school?

8 A banana weighs 140 g
A pineapple weighs 345 g



Bag A contains 8 bananas and bag B contains 3 pineapples. Which bag weighs more and by how much? Show your working.

Bag _____ weighs g more than bag _____.

Multiplying 3-digit numbers by 1-digit numbers



a)
$$\begin{array}{r} 531 \\ \times 3 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 284 \\ \times 4 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 362 \\ \times 5 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 126 \\ \times 6 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 806 \\ \times 4 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 284 \\ \times 8 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 452 \\ \times 6 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 531 \\ \times 8 \\ \hline \end{array}$$

There are 224 packets of cereal fit on a shelf. How many packets would fit on 6 shelves?

A lorry driver travels 475 miles per day. How far will he have travelled in 5 days?