

Home Learning Pack

Year 5 Autumn Week 11



Home Learning Links

Oak National Academy

Oak National Academy is an online classroom and resource hub. It provides high-quality video lessons and resources to support teachers, parents and pupils.

www.thenational.academy

BBC Bitesize

With BBC Bitesize it is easy to keep learning at home. You can access regular daily lessons in English, maths and other core subjects.

https://www.bbc.co.uk/bitesize

World Book Online

World Book online have just made their fabulous collection of over 3,000 e-books and audiobooks available for free for children to access at home. They have books suitable for all ages. Click on the following link to access them.

https://worldbook.kitaboo.com/reader/worldbook/index.html?usertoken=Mjk5MzQ6MTpJUjA5MjAxNjoy OmNsaWVudDE2OTc6MTY5NzoyMjE2Mjg4OjE6MTU4NDM4MDExMzA2Mjp1cw%3D%3D

Read Works.org

Read Works offers access to 3000+ comprehension for all age groups. Just sign up for a free account to access fantastic texts.

https://www.readworks.org/

Tutortastic

An online platform with tutorials and videos for home learning.

https://www.tutortastic.co.uk/blog/homelearning

Education Quizzes

A series of short quizzes for children to complete related to the National Curriculum subjects. Just select KS1 for Reception, Year 1 & Year 2 and select KS2 for Years 3-6.

https://www.educationguizzes.com/ks1/

Top Marks

A range of activities here but especially good interactive activities for maths.

https://www.topmarks.co.uk/

Classroom Secrets

Classroom Secrets Kids is offering free access to everyone until the end of April 2020. The platform is aimed at primary aged children and covers subjects such as maths, reading, grammar and spelling. The platform is really child-friendly so that they're able to access it on their own. There are a load of games and interactive activities from phonics to SATs

https://kids.classroomsecrets.co.uk/

National Geographic

National Geographic is a great platform for learning and it's totally free. There are online games, resources and competitions, too.

https://www.natgeokids.com/uk/teacher-category/primary-resources/

Reading Eggspress

Reading Eggspress has lots of reading activities including comprehension and retrieval questions to have a go at. Your child's Username and Password should be written in his Homework Book.

https://readingeggspress.co.uk/?_ga=2.107706762.961348329.1601363904-660844018.1598947512

We have been learning about division this week, mostly looking in-depth at partitioning and we will transition into using the short method for division. Here are some great maths games to play on Laptops or iPads.

https://www.topmarks.co.uk/Search.aspx?q=division

Times Tables Rockstars

This is a great times tables game, practice all of the tables up to 12 x 12. Log- in should be in Homework book/ Reading diary.

https://ttrockstars.com/

Handwriting

Practise two rows of these joins each day.

Write down five words which contain these letters?

Use the word to make joined up writing sentences.

rig

nig

mig



Monday English GPS

LO: To review and apply simple sentences.

- A simple sentence is built from the minimum of a subject and a main verb.
- It can be very short in length (but doesn't have to be): 'The angry dog barks.'
- · It puts across one simple idea: 'Rebecca sang.'
- There can be more than one word with the verb: 'It was raining'.
- In each of the examples there is just one main verb and one idea. This is the simplest type of sentence and is usually very easy to understand.

Write 5 simple sentences.

Remember, each sentence must have 1 main verb and 1 idea.

English – Reading Skills

- 1. Why do you think the author has chosen to make Teddy alive?
- 2. What is the relationship between Teddy and the Astronomer?
- 3. What is the purpose of Teddy's key?
- 4. Why did the author have Teddy remove his key?



What is a diary? - What features would you expect to see in a diary extract? What writing features would be unlikely to appear in a diary?

Model

When I first heard the news, I was quite excited: a new baby had been born into the family - a nephew for me. Feeling as though I should visit (seeing as how everyone else was there) I put on my best black robes and made my way to Olympia. When I arrived, I tried to crack a few jokes, trying to make an effort, but all the Gods looked down their noses at me – snobs! Then, Zeus came wading over with a grin like a Cheshire cat on his face, and his tan showing off those ridiculous, god-like muscles and fake smile! He is so annoying: he was always the favourite brother!

Features of a diary entry

First person	
Past tense	
Time connectives	
Chronological order	
5 senses	
Thoughts and feelings	

Choose a colour for each feature of a diary and highlight them on your diary entry.

List 3-4 features of a successful diary entry.

Monday Maths

Day 1: Use knowledge of times tables facts to help find common multiples.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Can you see a number that is a multiple of 3 and also a multiple of 2? We call these common multiples of 2 and 3.

Write at least four common multiples of 2 and 3 on your whiteboards.

Day 1: Use knowledge of times tables facts to help find common multiples.

How can we recognise multiples of 9?

Some are also multiples of 6.
Write three common
multiples of 6 and 9 on your
whiteboards.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Day 1: Use knowledge of times tables facts to help find common multiples.

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41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Which of these multiples of 6 are also multiples of 8?

Day 1: Use knowledge of times tables facts to help find common multiples.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Which of these multiples of 2 are also multiples of 7?

Common multiples Sheet 2

- 1. Work in pairs. Each choose a different colour pencil.
- 2. Take it in turns to roll two 0-9 dice. If you roll 0 or 1, roll again.
- Find a number on the grid that is a common multiple of both numbers. Ring it in your chosen colour.
- 4. Write a number sentence about the common multiple.
- 5. Try to get four numbers in a row.

20	54	9	25	50
42	6	4	16	12
30	18	10	15	60
8	48	24	40	36

Are there more or fewer common multiples of 2 and 3 under 30 than of 3 and 5? Explain your answer?

Write common multiples of 2, 3 and 4 up to 40. Write common multiples of 3, 4 and 5 up to 40. Which set has more numbers?

Tuesday English

Turn these words into plural:

bus	cup	baby
balloon	box	fish
party	patch	word
worry	try	hiss
school	lunch	city
potato	meal	rope

How is Teddy feeling?







LO: To use subordinate clauses to describe a character's feelings.

https://www.bbc.co.uk/bitesize/topics/zwwp8mn/articles/zqk37p3

- Subordinate clauses are used to add more information to sentences
- Subordinate Clause Main Clause

Although I was scared, I crept inside.

The boy, who was ten, jumped.

How is Teddy feeling?

Trapped in the chest, ______.

Trapped in the chest, ______.

Teddy tried to say goodbye.



Using subordinate clauses, write sentences that describe how Teddy is feeling throughout the story.







Tuesday Maths

Day 2: Find factors of two-digit numbers.

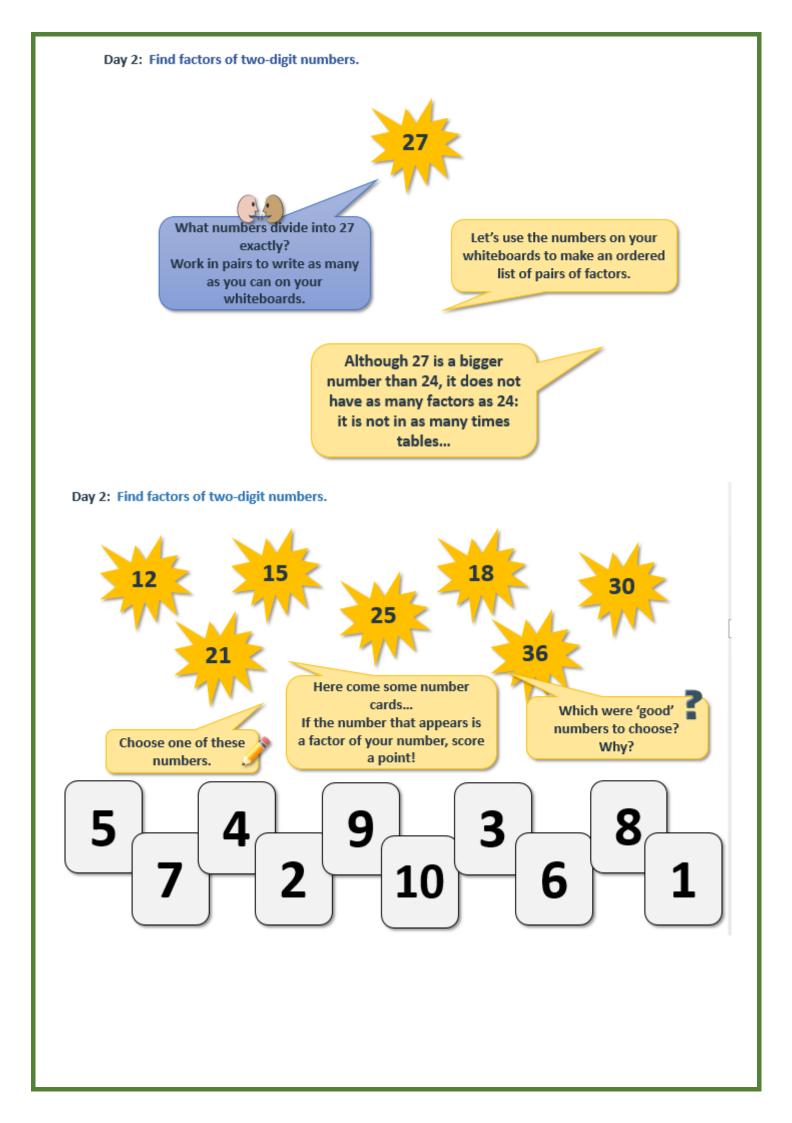
24

Wha

What numbers divide into 24
exactly?
Work in pairs to write as
many as you can on your
whiteboards.

Numbers which divide into 24 exactly are <u>factors</u> of 24. Let's use the numbers on your whiteboards to make an ordered list of pairs of factors...

24 has lots of factors!



Factors Sheet 1

List all the factors of these numbers.

Before you start, discuss with a partner which number you think will have the most factors and which will have the fewest.

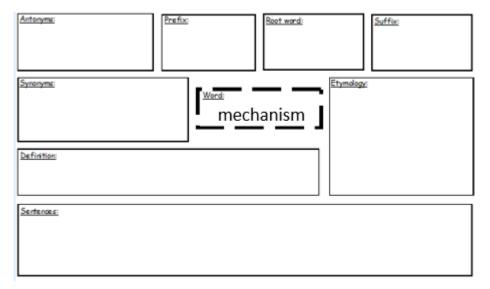
- 1. 12
- 2. 20
- 3. 40
- 4. 21
- 5. 36
- 6. 18
- 7. 27
- 8. 48
- 9. 50
- 10.32

True or false

- 5 is a factor of 20 and a factor of 40.
- 3 is a factor of 7 numbers less than 20.
- 15 is a factor of 100.

Sunil says that whenever a problem involves working out the number of cars or coaches needed we have to round up. Is he correct?

Wednesday English



mechanism

['mɛk(ə)nɪz(ə)m] **♦**))

NOUN

a system of parts working together in a machine; a piece of machinery.

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"a third motor powers the tape eject mechanism"

synonyms: apparatus · machine · appliance · tool · device · implement · utensil · [More]
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a natural or established process by which something takes place or is brought about.

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"the immune system's mechanism for detecting pathogens"

synonyms: procedure · process · system · operation · method · technique · workings · means ·

medium · agency · channel · channels · vehicle · structure
```

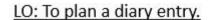
a contrivance in the plot of a literary work.

"his Irma La Douce is a musical based on the farce mechanism"

3. philosophy

the doctrine that all natural phenomena, including life and thought, can be explained with reference to mechanical or chemical processes.

- Why does Teddy follow the Astronomer around the room?
- 2. Why does the Astronomer have Teddy's key?
- 3. How does Teddy feel about the Astronomer?
- 4. Why did the Astronomer give Teddy his key?
- 5. Why did Teddy remove his key?

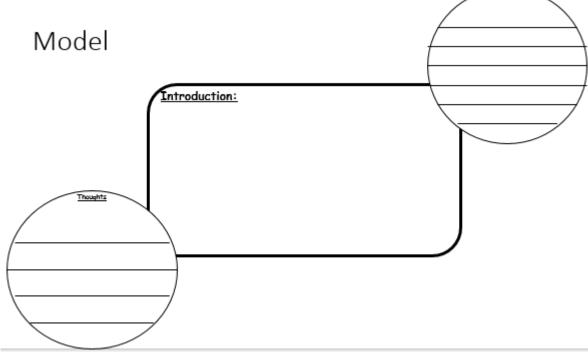


What is happening?

What is Teddy thinking?

What is Teddy feeling?





Main Activity

Using the planning sheet provided, plan a diary entry that tells the story of the Astronomer's Sun from Teddy's perspective.

You must include:

First person	
Past tense	
Time connectives	
Chronological order	
5 senses	
Thoughts and feelings	



Wednesday Maths

Division word problems Sheet 1

- 1. Cans of soup come in packs of four. If someone has soup for lunch every day for a month of 30 days, how many packs do they need to buy?
- 2. Chef is making prawn starters. Each starter needs five large prawns. She has 77 large prawns. How many prawn starters can she make today?
- 3. Chef needs 75 eggs to make omelettes. The eggs come in boxes of 12. How many boxes does she need to buy?
- 4. Each omelette is made using three eggs. If she only has 43 eggs left, how many omelettes can she make?
- 5. Children have made 53 cards to sell at the school fair. If they are put in packs of four, how many packs can be made?
- 6. Year 5 need 43 new paint brushes. If they come in packs of 6, how many packs need to be bought?
- 7. Reception children are making cars. They have 73 wheels. How many cars can be made?
- 8. The school needs 90 new pencils. They come in packs of 12. How many packs need to be bought?
- 9. How many octagons could be made using 49 straws?
- 10. There are 75 straws. How many hexagons can be made?

Challenge

Work in pairs to write two problems similar to those above. Give them to another pair of children to solve.

Multiplication and Division Problem solving and reasoning questions

Are there more or fewer common multiples of 2 and 3 under 30 than of 3 and 5? Explain your answer...

Write common multiples of 2, 3 and 4 up to 40. Write common multiples of 3, 4 and 5 up to 40. Which set has more numbers?

True or false

- 5 is a factor of 20 and a factor of 40.
- 3 is a factor of seven numbers less than 20.
- 15 is a factor of 100.

Sunil says that whenever a problem involves working out the number of cars or coaches needed, we have to round up. Is he correct?

Invent a problem where the remainder is the answer.

Wednesday Science

Choose an area of the Earth and Space topic to research further:

- The Planets
- Phases of the moon
- Sundials history and use
- Famous astronauts
- How shadows are formed

Create a leaflet on one of these topic areas.

Thursday English

LO: To investigate complex sentences.

A complex sentence communicates more than one idea, and joins them in different ways. The ideas involve the use of commas to guide the reader through the sentence. The parts of the sentence - clauses - are joined by using conjunctions or connectives.

Although we had to stay indoors because of the rain, there were plenty of videos to watch

The boys walked quickly down the road, feeling a little nervous because today was their first exam.

The cat, which had already slept all day, sat lazily on the mat.

Main Activity

Write complex sentences to go with each picture.













After, although, because, before, as, even , if, since, though, that, unless, until, when, whenever, where, wherever, whether, which, while, who, why.



- 1. What will happen next?
- 2. Where will Teddy go?
- 3. How long does he have until his mechanism stops?
- 4. Will he be found by another boy?
- 5. Will Teddy keep the pocket watch?

Model

Dear Diary,

Today the man left. He stepped onto the thing and then there were lights and he disappeared. We walked into the room together. The room was dark. He put me in a box and then gave me the key. I stayed in the box and then came out to help with the machine. His dad did the same thing along time ago.

How can we improve this?

Write a diary entry that tells the story of the Astronomer's Sun from Teddy's perspective.

You must include:

First person	
Past tense	
Time connectives	
Chronological order	
5 senses	
Thoughts and feelings	

Thursday Maths

325 420 500 360 111 674 261 472

Which numbers are divisible by 2? This means 2 goes into it without leaving a remainder – it's a multiple of 2.

How do you know?

Which other multiples are easy to recognise?

Which are multiples of 5? How do you know?

Which are divisible by 2 and 5? What else are these numbers divisible by?

Write a 3-digit number on your whiteboard that is divisible by 2, but not 5.

Now write a 3-digit number on your whiteboards that is divisible by 5, but not 2.

Day 1: Use rules of divisibility.

325 420 500 360 111 674 261 472

How do we know if a number is divisible by 3? This rule is not as easy to remember.

What do you notice about the digit sums?

So which of the 3-digit numbers are multiples of 3?

Now write a different 3-digit number on your whiteboard that is divisible by 3.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

325 420 500 360 111 674 261 472

How do we know if a number is divisible by 9?

So, which of our numbers are divisible by 9?

Now write a different 3-digit number on your whiteboard that is divisible by 9.

Discuss in pairs which numbers are divisible by 3 and 9.
Why is that?

Write a 3-digit number on your whiteboard that is divisible by 3, but not 9.

Day 1: Use rules of divisibility.

325 420 500 360 111 674 261 472

Which of the numbers do you think are divisible by 4?

Any multiple of 100 is divisible by 4, so if the last 2 digits are a multiple of 4, then the whole number is.

If you don't know if the last two digits are multiples of 4, halve twice to see if you get a whole number (or halve once to get an even number).

So, which of our numbers are divisible by 4?

Carroll Diagrams Sheet 2

Work in pairs. Write four 3-digit numbers in each section unless it is impossible to do so. If it is impossible, explain why.

	Divisible by 4	Not divisible by 4
Divisible by 5		
Not divisible by 5		
*		to
	Divisible by 3	Not divisible by 3
Divisible by 9	Divisible by 3	Not divisible by 3

Prime numbers are often either side of a multiple of 6. Write the two prime numbers of which this is not true.

Explain why 1 is not a prime number.

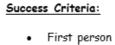
Thursday French

The gaps are missing from these sentences. Can you work out where they ought to go? Copy the sentence into your book putting the gaps the right places. Try to translate the sentence if you can.

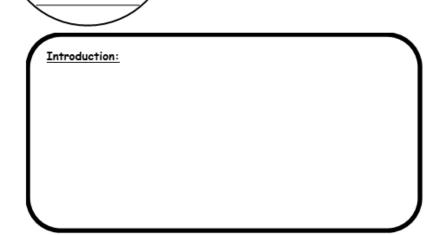
- 1. J'adorelecyclismeparcequec'esttropamusant.
- 2. Jedétestelanatationparcequec'esttrèsbarbant.
- 3. Jen'aimepasl'athlétismeparcequec'estdifficile.
- 4. J'aimelepatinageparcequec'estpassionnant.

	la natation			amusant
J'adore	swimming			fun
I love	<u>l'athlétisme</u>		trop	fatigant
J'aime	athletics		too	tiring
l like	le cyclisme	parce que <u>c'est</u>	100	barbant
Je n'aime pas	cycling	because it is	très	boring
I don't like	la gymnastique		very	passionnant
Je déteste	gymnastics			exciting
I hate	le patinage			difficile
	ice skating			difficult

Friday English



- Past tense
- Time connectives
- Chronological order
- 5 senses
- Thoughts and feelings



Write a diary entry that tells the story of the Astronomer's Sun from Teddy's perspective.

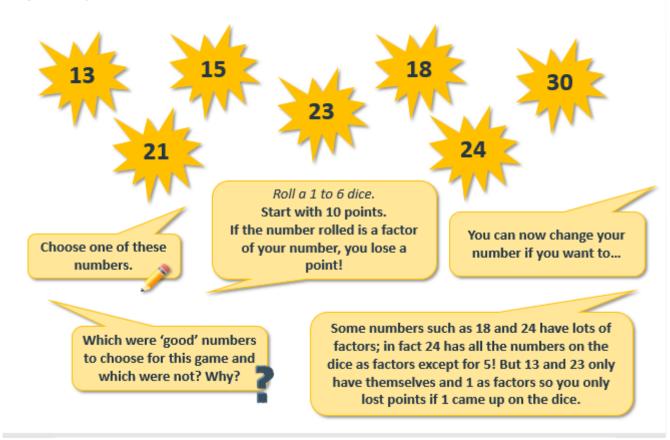
You must include:

Feelings

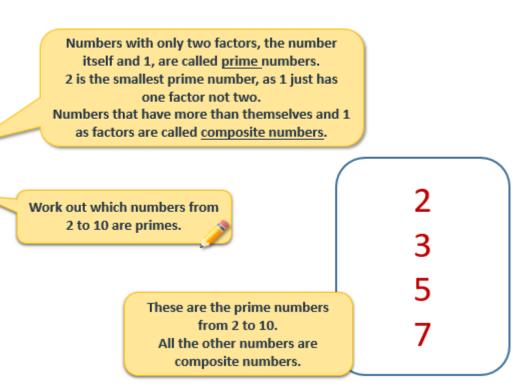
First person	
Past tense	
Time connectives	
Chronological order	
5 senses	
Thoughts and feelings	

Friday Maths

Day 2: Find prime numbers less than 50.



Day 2: Find prime numbers less than 50.

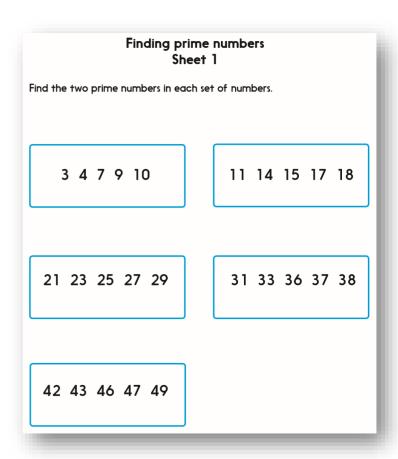


Whole class activity

- Work in pairs to try to find all the prime numbers to at least 50.
- · Can you find a pattern?
- Only one of these numbers is prime:

123, 131, 145, 153, 164 Can you work out which it is?

Explain your mathematical thinking...



Friday Music

Practise the Christingle songs https://www.youtube.com/watch?v=11EyPqMkDWq

Christingle Song

The orange of Christingle, Is like a little Earth. For the God who holds us in his hands, Also gave our planet birth;

Yes this is my Christingle
It tells of God above,
It is showing me this Christmas
About Jesus and his love,
About Jesus and his love.

The four sticks of Christingle All loaded with good things They're the seasons four of every year And the gifts that each one brings;

The ribbon of Christingle
That circle of bright red
It's the love of God for all the world
And the blood that Jesus shed:

The candle of Christingle
Which burns so bright and clear,
It is life and hope for all the world
And it's Jesus who is here: