Maths Home Learning - White Rose

Week 11

There will be 5 Maths lessons.

This PowerPoint contains an overview of the week, PowerPoint lesson slides, links to the WhiteRose Hub website for video lessons, <u>the answers</u> from the work sheets and a description of different ways to <u>upload</u> your work. There will also be extra challenges for each day.

Maths Home Learning Tip!

If the links don't work when you click on them in the PowerPoint, copy and paste the link into your browser.

Week 11 Overview

Monday - Pounds and pence Tuesday - Ordering money Wednesday - Estimating money Thursday - Four operations Friday - Challenges

Attention!

The Monday and Tuesday lessons will not use the WhiteRose Hub activity sheets because you have already done these. Instead there will be alternative sheets for you to complete.

The lessons for those days will be on this PowerPoint but you can also watch the video lessons to remind yourself of previous learning.

The Wednesday, Thursday and Friday lessons will be in the usual format.

Ways to complete the activities

- 1. You can print the activity sheet, complete the work, take a photo and upload it under the Maths assignment.
- 2. You can leave the activity sheet on a screen, write your answers on a piece of paper, take a photo and upload it under the Maths assignment.
- 3. You can create a **Google Doc**, type your answers into it and submit the Google Doc under the Maths assignment.







	Your	work	Assigned
		+ Add or create	
		Google Drive	
	Θ	Link	
_	Û	File	
	Create	e new	
		Docs	
		Slides	
-		Sheets	
	4	Drawings	

Monday - Pounds and pence

https://whiterosemaths.com/homelearning/year-4/

You can click the link to watch the video from Summer Term -Week 2 (w/c 27th April)

Click through this PowerPoint for today's lesson and sheets.

(You can then complete **Monday Challenge** if you want to do more maths.) Remember to self mark or ask a sibling or parent to mark it.

Complete the sentences to calculate how much money is in the savings jar.



In the savings jar, there is ____ pence. In the savings jar, there is __ pounds. This is \pounds_{-} and ___ pence. There is \pounds_{-} in the savings jar.

Answer

Complete the sentences to calculate how much money is in the savings jar.



In the savings jar, there is $\underline{83}$ pence. In the savings jar, there is $\underline{2}$ pounds. This is $\underline{52}$ and $\underline{83}$ pence. There is $\underline{52.83}$ in the savings jar. Complete the part-whole model, writing the amount using the \pounds sign. Which notes or coins could you use?



Answer

Complete the part-whole model, writing the amount using the \pounds sign. Which notes or coins could you use?



£1.24 can be represented using many different coins. Which coins did you use? Write these amounts in pounds and pence using a \pounds sign.

Answer

Write these amounts in pounds and pence using a \pounds sign.

One of these is correct. The other is incorrect. Which is the correct answer? Explain the error that has been made and write the correct answer.

Pence	Using £ Sign	√ or ≭ ?	Error/Correct Answer
907p	£9.07		
840p	£8.4		

Answer

One of these is correct. The other is incorrect. Which is the correct answer? Explain the error that has been made and write the correct answer.

Pence	Using £ Sign	√ or ≭ ?	Error/Correct Answer
907p	£9.07	\checkmark	
840p	£8.4	×	There should be 2 digits after the decimal point. £8.40 is the correct answer.







Can both of the children afford to buy the book? Explain how you know.

Lisa has been writing these pence amounts using a £ sign. Tick the correct answers. Explain any errors that Lisa
has made and write the correct answer.

Pence	Using £ Sign	√ or x ?	Error/Correct Answer
1308p	£13.08		
550p	£5.5		
1407p	£140.7		
780p	£7.80		

3) Mo has 5 coins that make £1.75 in total. Four of the coins are given. Explain which of the following sets of coins Mo could have and write what the missing coin is.

 £1, 50p, 10p, 10p, ?p

 50p, 50p, 50p, 10p, ?p

 £1, 50p, 20p, 2p, ?p

 50p, 50p, 50p, 20p, ?p

There is a third sheet on the document but you don't need to do that one unless you want to. You can complete it as an extension.

Monday Challenge



She picks three coins at a time. Decide whether the statements will be always, sometimes or never true.

- She can make a total which ends in 2
- She can make an odd amount.
- She can make an amount greater than £6
- She can make a total which is a multiple of 5 pence

Can you think of your own always, sometimes, never statements?

Monday Challenge Answers

- Never
- Sometimes e.g. £3.05
- Never she can only choose three coins so the largest amount she can make is £5
- Always, because every coin is a multiple of 5 pence

Monday - Answers



1)	Ben can afford the book because he has exactly £2.50 but Tom doesn't have enough money. He only	ł
	has £2.45 so needs 5p more to buy the book.	

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6		

Answers

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~	Pence	Using £ Sign	√ or x ?	Error/Correct Answer
	1308p	£13.08	~	
	550p	£5.5	x	There needs to be two digits after the decimal point. £5.50 is the correct answer.
	1407p	£140.7	x	The decimal point has been put in the wrong place. £14.07 is the correct answer.
	780p	£7.80	~	
3)	£	1, 50p, 10p, 10p	, ?p	Mo could have this set of coins as they total £1.70 and the missing coin is a 5p.
	50p, 50p, 50p, 10p, ?p			Mo cannot have this set of coins as they total £1.60 so the missing amount is 15p, which cannot be made with 1 coin.
	£	1, 50p, 20p, 2p,	?p	Mo cannot have this set of coins as they total £1.72 so the missing amount is 3p, which cannot be made with 1 coin.
	50p, 50p, 50p, 20p, 5p			Mo could have this set of coins as they total £1.70 and the missing coin is a 5p.

Tuesday - Ordering money

https://whiterosemaths.com/homelearning/year-4/

You can click the link to watch the video from Summer Term -Week 2 (w/c 27th April)

Click through this PowerPoint for today's lesson and sheets.

(You can then complete **Tuesday Challenge** if you want to do more maths.) Remember to self mark or ask a sibling or parent to mark it. Compare these amounts using <, > or =.



Answer

Compare these amounts using <, > or =.

Put the amounts in ascending order.



Remember: ascending means from smallest to greatest!

Answer

Put the amounts in ascending order.



Is each statement true or false? For each false statement, which symbol should be used instead to make it true?

Answer

Is each statement true or false? For each false statement, which symbol should be used instead to make it true?



b) £12.90 < 1209p	False. £12.90 equals 1290p, which is greater than 1209p. The > sign should be used.
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These purses have been lined up in ascending order of value.



Who is correct?

Answer

These purses have been lined up in ascending order of value.



Who is correct?

Either of the children could be correct. The purse could have £1.97, £1.98, £1.99, £2.00, £2.01 or £2.02 in it.

<u>Tuesday - Sheets</u>

1) Compare these amounts using <, > or =.	1) Is each statement true or false? For each false statement, write the inequality sign that would make it true.
a) 1385p 1835p	a) 1056p > f10.65
 b) 4500p £45 c) £23.09 £23.90 	 b) £5.18 < 518p c) 980p = £0.98
 2) Compare these amounts using <, > or =. You could turn both amounts into pounds or into pence first to help you. a) 1350n 513 50 	 d) 3562p = £35.62 2) Core has tried to write these amounts in ascending order but she has made a mistake Explain her mistake and
b) £0.62 26p	£0.74 £4.17 407p £7.04 740p
 c) 702p £7.20 3) Put each set of amounts in descending order. 	What was her mistake?
a) 701p, 107p, 710p, 71p	
b) £12.76, £16.72, £12.67, £16.27	Correct order:
 c) 2030p, £20.03, 2300p, £23.03 4) Put each set of amounts in ascending order. 	 3) These books have been sorted into ascending price order. What could the price of the middle book be? Find all the possible answers.
a) £16.83, £13.68, 1638p, 1836p	
b) £50.09, 509p, £5.90, 905p	

There is a third sheet on the document but you don't need to do that one unless you want to. You can complete it as an extension.

Tuesday Challenge

Teddy, Dora and Jack are buying toys.



Tuesday Challenge Answers

Jack could have anything from £5.35 to £5.42 Children may record this as 535 p to 542 p

Tuesday - Answers



1) a) False because < should have been used.

- b) False because = should have been used.
- c) False because > should have been used.

d) True

2) 407p should come before £4.17, as £4.17 is equal to 417p.

£0.74	407p	£4.17	£7.04	740p
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3) Various answers from £6.91 to £7.08.



Wednesday - Estimating money

https://whiterosemaths.com/homelearning/year-4/

Click the link, click Summer Term - Week 9 (w/c 22nd June), watch the video for Lesson 3 and complete Sheet 1 and Sheet 2.

(You can then complete the Wednesday Challenge if you want to do more maths.)

Remember to self mark or ask a sibling or parent to mark it.

Wednesday - Sheet 1



Wednesday - Sheet 2



Wednesday Challenge



Three children buy toys. Can you work out who buys what? Tommy buys a toy which rounds to £5 but gets change from £5 Amir buys two toys which total approximately £25 Eva's toy costs 5 p more than the number the cost rounds to.

Wednesday Challenge Answer

Tommy – car Amira – computer game and rugby ball Eve – panda

Wednesday - Answers



Wednesday - Answers



Thursday - Four operations

https://whiterosemaths.com/homelearning/year-4/

Click the link, click Summer Term - Week 9 (w/c 22nd June), watch the video for Lesson 4 and complete Sheet 1 and Sheet 2.

(You can then complete Thursday challenge, if you want to do more maths.)

Remember to self mark or ask a sibling or parent to mark it.

Thursday - Sheet 1



<u>Thursday - Sheet 2</u>



Thursday Challenge

A class has £100 to spend on books.



How many books could they buy for £100? How many different ways can this be done?

Thursday Challenge Answer

Children may explore this systematically e.g. $8 \times 12 = 96$ (12 hardbacks) $4 \times 1 = 4$ (1 paperback) etc. Or they may start with paperback $4 \times 25 = 100$ (25 paperbacks) etc.

Thursday - Answers



Thursday - Answers



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Friday - Reasoning Challenges

https://whiterosemaths.com/homelearning/year-4/

Have a go at completing the White Rose Maths Challenge

The video should be under Summer Term - Week 10 (w/c 22nd June)



Friday Challenge - Extra

Mo buys some socks and gloves. He estimates how much he'll spend.

$$£4 + £5 = £9$$



What could the actual price of the socks and gloves have been?

Friday Challenge Answer

The socks could cost between £3.50 and £4.49 The gloves could cost between £4.50 and £5.49