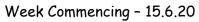
Learning Grid for Year 4/5





Work to be completed in home learning books



The Oak National Academy lessons can be accessed here: https://www.thenational.academy/online-classroom

	1	2	3	4	5
Spelling	Spelling task 1	Spelling task 3	Spelling task 3	Spelling task 4	Spelling task 5
Reading	Reading comprehension 1	Reading comprehension 2	Reading comprehension 3	Reading comprehension 4	Reading comprehension 5
Writing	After seeing a ridiculous video on Youtube on how to make a cup of tea, I would like you to write a set of instructions on how to make a proper cup of tea. You cold film it too.	Write a story set in Egypt	Sentence activity	SPaG skills sheet	Speech marks task
Maths	Complete lesson 1 for the maths curriculum that you follow. Answers will be posted to seesaw.	Complete lesson 2 for the maths curriculum that you follow. Answers will be posted to seesaw.	Complete lesson 3 for the maths curriculum that you follow. Answers will be posted to seesaw.	Complete lesson 4 for the maths curriculum that you follow. Answers will be posted to seesaw.	Can you set a new high score on Timetable Rockstars? Can you set a new high on Mangahigh?
Challenges	PowerPoint Create a PowerPoint about Howard Carter's discovery of Tutankhamun's tomb.	Artefact activity	Carter's diary extract	Thought bubbles and script	Send a video of you singing the son you learnt last week.

Spelling task 1

Look and say	Look, say and write	Cover and write	Check and write again
accident			
actual			
address			
answer			
appear			
arrive			

Fill in the missing word.

- 1. Write the _____ on the envelope.
- Immy knocked over her drink by ______.
- 3. I stood at the bus stop waiting for a bus to ______.
- 4. The _____ price was lower than I thought.
- 5. Tim doesn't ______ to be very upset.
- 6. Do you know the _____ to the question?

Look and say	Look, say and write	Cover and write	Check and write again		
privilege					
profession					
programme					
pronunciation					
prejudice					
Fill in the missing word.					

- "We are never _____ in this school," explained the teacher.
- Paul practised his ______. 2.
- His chosen _____ was acting.
- I bought a _____ from the theatre so I couldlearn about the actors.
- It was a ______ to meet an Olympian.

Look and say	Look, say and write	Cover and write	Check and write again
believe			
bicycle			
breath			
breathe			
build			
business			

Fill	in	the	m	issir	ıg	word	ı.
------	----	-----	---	-------	----	------	----

reels.
Lt

- Miss Garrity had started her own catering _______.
- 3. I can _____ a tall tower out of cards.
- 4. I can't _____ that you told a lie.
- 5. After running, Moiz was left out of ______.
- 6. _____ in through your mouth and out through your nose.

Look and say	Look, say and write	Cover and write	Check and write again
twelfth			
variety			
vegetable			
vehicle			
yacht			

Fill in the missing word.

- 1. I have got my own ______ patch in the garden.
- The ______ survey showed most people drove cars to work.
- 3. Brian sailed his ______ on the Hudson River.
- 4. December is the _____ month of the year.
- 5. There is a ______ of things to choose from.

Look and say	Look, say and write	Cover and write	Check and write again
calendar			
caught			
centre			
century			
certain			

Fί	ll	in	th	ıe	m	issi	ing	word	l.
----	----	----	----	----	---	------	-----	------	----

1. 7	The crimino	ıl was	red-handed.
------	-------------	--------	-------------

- 2. They have opened a new shop in the town ______.
- 3. "I am _____ that it was you," said the teacher.
- 4. Write your important dates on the ______.
- 5. We are currently in the 21st ______.

Comprehension 1

The Quest of Medusa's Head

The Brass Prison

There was once a king of Argos, who had a daughter. The king was growing old and he had been told that the son of his daughter (his grandson) would cause his death. To prevent this prophecy coming true, he locked his daughter away in a prison made of brass. She had no one to talk to but her old nurse.

Time passed by and Danae grew more beautiful every day. From his heavens, the god Zeus looked down and saw her and fell in love with her. They were married and had a son, called Perseus.

In spite of all that he had done, Danae's father began to think the words of the prophecy might come true. So, Danae and her son Perseus were put to sea in a wooden chest. The king thought that if they died together, the prophecy couldn't come true. But, they didn't die. After several days at sea, they drifted ashore on a distant island and were found by a kind man, who sheltered and cared for them for many years.

The Magic Sandals

The cruel king of the island wanted to marry the beautiful Danae and when she refused he plotted to send Perseus away in revenge. He challenged Perseus to bring him the head of the Medusa. She was one of three monster sisters, who each had the bodies and faces of women but with golden wings, terrible brass claws and snakes for hair. Anyone who looked at their faces was instantly turned to stone.

Without weapons or any idea where to find Medusa, Perseus went to the shore to plan his quest. Two mysterious people told him where to set off on his journey and that he must get directions from the Grey Sisters and collect three things from the Maidens of the West before challenging Medusa. They gave him magic winged sandals so that he could travel quickly and easily. He realised the people were the gods Athena and Hermes, although he didn't understand why they were helping him.

The Grey Sisters

Hermes' winged sandals flew Perseus to the sisters. These three creatures were so old that they had forgotten their own age and nobody could count the years which they had lived. The long hair which covered their heads had been grey since they were born. They had between them only a single eye and a single tooth which they passed back and forth from one to another. Perseus heard them mumbling and crooning in their dreary home,

and he stood very still and listened. Tricking them, Perseus made the old women tell him where to travel to find the Western Maidens.

The Western Maidens

Once more Perseus put on his winged sandals and set off. When he arrived in the Western Lands, he saw the three Maidens of the West guarding a tree which was full of golden apples. Perseus spoke to the Maidens about his challenge. Once they heard his plight, they willingly agreed to help him but they offered not three but four things to help him kill Medusa: a sword, a shield, a magic pouch and a magic cap of invisibility.

Again, he put on the magic sandals and flew off to find Medusa and her gorgon sisters.

The Dreadful Gorgons

With the sharp sword at his side and the bright shield upon his arm, Perseus flew bravely onward in search of the dreadful Gorgons. He wore the Cap of Invisibility upon his head, making him as invisible as the wind.

Cleverly using the shiny shield as a mirror, Perseus saw the reflection of the hideous snake-haired monsters whilst they slept. Very stealthily, he went and nearer and nearer, always with his back towards the monsters and always looking into his bright shield to see where to go. He drew his sharp sword and, dashing quickly, struck a blow, so sure, so swift, that the head of Medusa was cut from her shoulders and the black blood gushed like a river from her neck.

Quick as a thought, he thrust the terrible head into his magic pouch and leaped again into the air, flying away with the speed of a lightning flash. Escaping under his Invisibility Cap and with the help of his magic sandals, Perseus left the anguished screams of Medusa's sisters behind him as he made his way to safety and set off for home.

Questions

1.	What did Perseus use to get to where the Grey Sisters lived?
2.	Describe the Grey Sisters using as many appropriate adjectives as you can. hair:
	eye:
	tooth:
3.	What could the three sisters be mumbling about? Use speech marks to record their conversation.

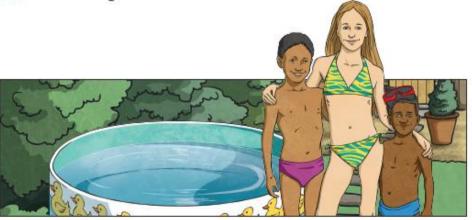
4. Sort the similarities and differences between the Grey Sisters and the Western Maidens. Tick if describes the Grey Sisters or the Western Maidens. If it describes both, tick both.

Grey Sisters	Description	Western Maidens
	three in number	
	mumbling and crooning	
	old	
	singing and dancing	
	young	
	women	
	pleasant	
	unpleasant	
	protecting something	

5. What did the Western Maidens give the Perseus to help him? Which do you think is the most useful? Give reasons for your choice.

A Very Unusual Winter

- 9 Children across the country splashed and frolicked in the
- 16 paddling pool, wearing their swimming costumes and
- 25 thick streaks of sun cream. Windows were wide open,
- 37 fans were out of stock in most high street shops and the
- 48 ice cream van hadn't made so much money in ages. It
- 59 was the hottest day the United Kingdom had seen in over
- 67 thirty years... yet it was the 21st December.
- 77 For as long as anyone could remember, the 21st of
- 86 December had been an icy, cold day. Commuters walked
- 96 to work, wrapped up tightly in thick coats and scarves,
- 105 past chimneys that plumed with thick, white smoke as
- 113 families gathered around the fireplace to keep warm...
- 123 but not this year. Something very unusual seemed to be
- 131 happening and one man Simon Thomas thought he
- 133 knew why...



Quick Questions



 '...chimneys that plumed with thick, white smoke' In this sentence, what does 'plumed' imply about the amount of smoke?



2. What date was the hottest day the UK had seen in over thirty years?



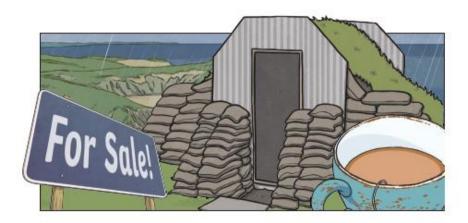
3. Why were people shocked about the weather?



4. What do you think that Simon Thomas may do next?

The Official Safe-Tea Shelter

- 11 Do you live in an extreme weather hotspot? Do you want
- 21 your family to be safe, no matter what the weather?
- 30 Then look no further than the Safe-Tea Shelter. Drink
- 40 your warm beverage with complete peace of mind as you
- 48 sit comfortably within thick, corrugated sheets of metal,
- 56 designed to withstand even the worst of hurricanes.
- 64 Three heavy-duty locks protect you from the outside
- 75 world, whilst a state of the art system of vents makes
- 88 sure that the air you breathe is as fresh as being at the
- 94 seaside. Buy today to avoid disaster.
- 102 Limited time promotion: one free box of refreshments
- 104 per shelter.



Quick Questions



1. What does the word 'heavy-duty' tell you about the locks on the shelter?



2. What is the shelter made out of?



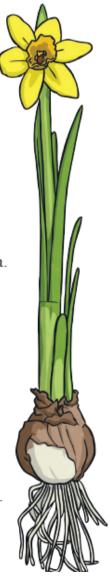
Explain why the air in the shelter being 'as fresh as being at the seaside' might appeal to readers.



4. Give one way that the author encourages you to buy this shelter.

The Life Cycle of a Flower

- 11 In the beginning all you need, Is a simple, unsuspecting seed.
- 23 Giving the plant the ideal condition, To germinate must be your mission.
- 36 Within no time, you will see a shoot, Followed by a searching root.
- 50 The root will anchor to the ground, The sprout reaches and light is found.
- 64 The plant grows taller; grows a stem, Growing thicker and thicker, again and again.
- 75 Leaves appear as if overnight, Spreading out to catch the light.
- 88 Once fully grown, a flower is spotted, With seeds inside and petals dotted.
- 101 Flowers pink, blue and red, Now have seeds they need to spread.
- Blown by the wind; carried by a bird, Caught on fur; this is how they are dispersed.
- 130 No matter how, no matter when, The cycle will now start again.



Quick Questions



1. Which phrase tells the reader that the life cycle is continuous?



2. List all of the ways that seeds are dispersed?



Summarise the main points of this text in 20 words or less.

A SHALL
/ Vesteral /

4. How does the word 'searching' help you to understand the job of the root?

Comprehension 5

Rollercoasters

- 9 The rollercoaster has been a fashionable ride for many
- 17 years, with one of the first recorded rollercoasters
- 26 opening in Paris in 1817. Historically, it is believed
- 35 that the rollercoaster was inspired by sledging on the
- 43 icy Russian Mountains. The popularity of the coaster
- 53 did not spread initially. It wasn't until 1884 that the
- 60 first notable and highly admired rollercoaster was
- 70 opened in New York, USA, with a runaway train style
- 80 ride. The coaster ran on wooden tracks and was an
- 82 instant success.
- 91 Today, a rollercoaster track can either be a complete
- 98 circuit or a shuttle-track, allowing the cars —
- 106 individual or multiple to run in both directions.
- 110 Modern rollercoasters are, of
- 114 course, much faster than
- 118 the original models and
- 121 safety standards have
- 123 notably increased
- 125 since then.



Quick Questions



When did the first well-known rollercoaster open? Where?



2. Find and copy two words which tell you that rollercoasters are well-liked.



3. How do rollercoasters of the past compare with the modern day?



 Summarise the information about the original rollercoasters in 20 words or less. Writing activity 3 - Improve these sentences using as many SPaG features as you can
Think about using expanded noun phrases, subordinate and relative clauses and adverbial phrases.
Can you improve the language using synonyms?

The bedroom had a bed, two chairs and a table.

There were books and some pencils on the shelf.

The lane wound its way between two hedges.

She entered the forest.

He walked down the street.

Underline the adjectives in green (3), verbs in red (1), nouns in orange (2) and adverbs in blue(1):
The tired teacher slowly sat down in the comfy, old chair.
Write these verbs in the past tense: drink = work =
Add either a or an before the following words / phrases: nice cup of tea orange tin of paint
<u>Underline the fronted adverbial:</u> Before I go to sleep, I like to read two pages of my book.
<u>Underline the determiner:</u> "Who ate all of those cakes?" Mum demanded.
Apostrophes for contraction Write the shortened (contracted) versions of these phrases. Example: Did not = didn't Is not = Have not =
Apostrophe for possession
Example: The bike belonging to one girl = the girl's bike.
The bike belonging to two girls = the girl <u>s'</u> bike.
The pens belonging to one teacher = The pens belonging to two teachers =
How many dragons are there?The dragons' cave (One dragon / more than one dragon) How many snails are there? The snail's shell (One snail / more than one snail)

Speech marks task
Put the missing inverted commas in each sentence.
Then write each sentence with the reporting clause at the end.
The first is done for you.
a) The girl said, "This tastes delicious."
L) "This tastes delicious" the cirl said
b) "This tastes delicious," the girl said.
c) The boy boasted, I can eat more than you.
••
d)
e) The crossing patrol woman explained, My lollipop stick is melting, I'm afraid.
2, the crossing painer tremain explanation, by tempop enter is meaning, 2 m agrain
f)
J)
g) Cara shouted Stop eating!
h)
i) Pippin wailed, I feel sick!

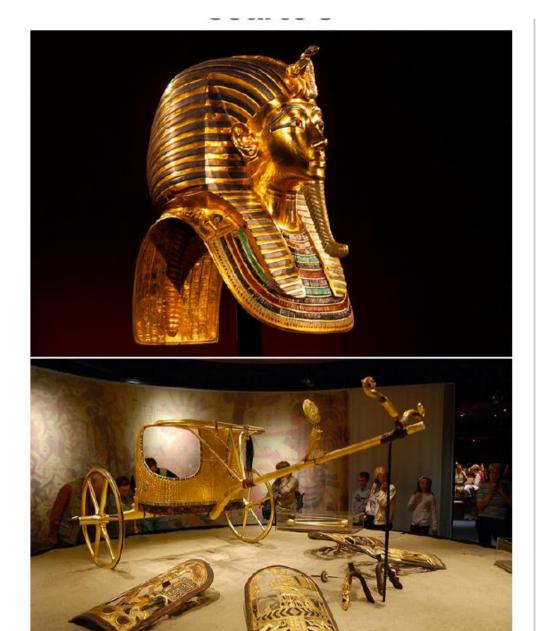
Diary activity

Write a diary as if you are Howard Carter. Describe the day the tomb was entered.

- 1. Describe the atmosphere how were people feeling and how could you tell?
- 2. Explain how you had found out about the tomb.
- 3. Describe the reactions to the treasures found.
- 4. Why is this discovery so important?

Dear Diary,		

Artefact activity





1. What does your source tell you?

Write down three things that you now know from examining your source.

2. Why do you think it was written (or photographed)?

Ask two questions about why somebody created your source

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Opening the Tomb

The Derby Daily Telegraph wrote:

"When at last, the excavators managed to squeeze their way in, an extraordinary sight met their eyes..."

What could these men have been thinking at this moment?



Complete the speech bubbles and then write a script.

Write decimals



Make the number represented on each of the place value charts.

Complete the sentences to describe each number.



ones	There are	Hundredths	Tenths	Ones
d	tenths and	000	00	000
ns.	hundredth			· ·
	hundredth	1	is	The number

b)	Ones	• Tenths	Hundredths	There are	ones
		000	000	tenths	and
				hundre	dths.
Т	he numbe	er is]		

c)	Ones	Tenths	Hundredths	There are ones
	000			tenths and
	1	U		hundredths.
	The number	is	1	

d)	Ones	Tenths	Hundredths	There are	ones
		900		tenths	and
				hundre	dths.

Write the value of the underlined digit.
a) 6. <u>3</u> 1
b) 1 <u>2</u> .09
c) 0.07

Make each number on a place value chart.

	_			
d)	56.82			

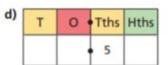
Alex says the number on the place value chart is 3.4

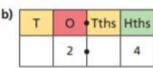
Ones	Tenths	Hundredths
•••		0000

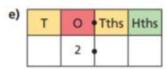
Do you agree with Alex?	_
Explain your answer.	

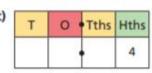
Fill in the zeros needed as placeholders for each number.

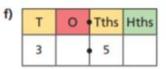
a)	Т	0	Tths	Hths
	3	2	•	4







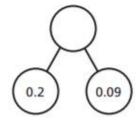




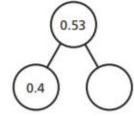
Compare answers with a partner.

Complete the part-whole models.

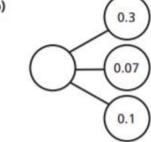
a)



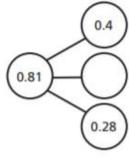
c)



b)

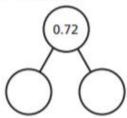


d)



6 Here is a part-whole model.

Partition 0.72 in three different ways and complete the number sentences.



Eva is asked to show 10 tenths on a place value chart.

Here is her answer.

Ones	Tenths	Hundredths

Is Eva correct?



Here are fiv	e numb	per cards			
Annie, Rosie	e, Jack,	Dora an	d Whitne	ey take o	ne car
1					

Use the clues to work out which number they each have.

	/ rig ru	mber is twice ch as Dora's.
Jac	m	My number is ore than Jack's.
	umber is an Jack's.	Dora
Annie Rosie	Dora	Whitney

Did your partner use the same method?

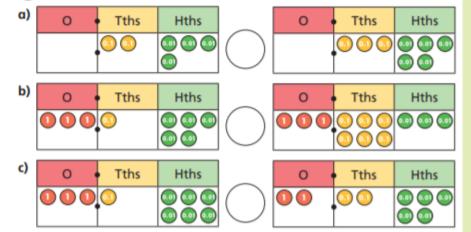
d)

Compare decimals





Tths



Did you have to compare all the columns for every question?

0

00



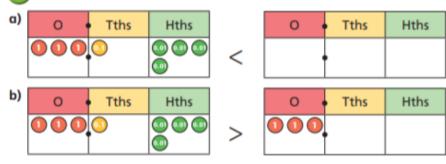
Hths

a

Tths

Draw counters to make the statements correct.

Hths

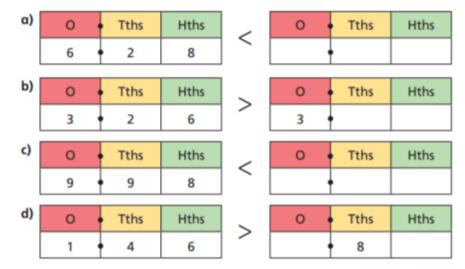




Write < or > to compare the decimals.

a)	0	Tths	Hths	0	Tths	Hths
	7	6	8	7	0	2
b)	0	Tths	Hths	0	Tths	Hths
	3 (2	5	3	9	6
c)	0	Tths	Hths	0	Tths	Hths
	0	4	1	0	2	9
d)	0	Tths	Hths	0	Tths	Hths
	1 (0	3	1 .	2	0
e)	0	Tths	Hths	0	Tths	Hths
	2	7	2	2	7	1

Complete the place value charts to make the statements correct.



5	Ron and	Amir	have	each	made	a	number	using	counters	on	a
	place valu	ue ch	art.								

Ron's looks like this:

Ones	Tenths	Hundredths

Amir's looks like this:

Ones	Tenths	Hundredths
•••	•	

My number is greater than Amir's, because I have used twice as many counters.



Do you agree with Ron? _____

Explain your reasoning.

- Oraw exactly 8 counters in each chart to represent a number that matches each statement.
 - a) a number less than 0.76

Ones	Tenths	Hundredths

b) a number more than 5.74

Ones	Tenths	Hundredths

c) a number between 5.13 and 5.29

Ones	Tenths	Hundredths

How many different answers are there for each statement?







- Write < or > to compare the numbers.
 - a) 3.2 () 3.8
- c) 1 0.99
- **b)** 1.46 () 1.43
- **d)** 0.16 () 0.8
- Fill in the missing digits to make the statements correct.
 - a) 0.34 < 0.3__

d) 1.3__ < 1.3__

b) 2.42 > 2.4

e) 2.__2 > 2.__2

c) 0.74 < 0.__2

f) 0.8__ < 0.__9

Is there more than one answer for each?

Mere are four digit cards.







1

Use each digit card once to make this statement correct.



How many possible answers are there?



Order decimals



Here are four numbers on place value charts.

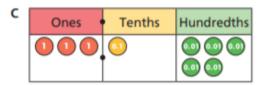
a) What number is represented in each place value chart?

A	Ones	Tenths	Hundredths
	000	0	

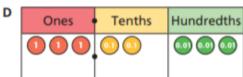


















b) Write the numbers in ascending order.

smallest

greatest

a) Write digits to show the number represented in each place value chart.









- b) Write the numbers in ascending order.
- Write the numbers in descending order.

1.42

4.12

1.24

2.41

Teddy's teacher asks him to put some numbers in ascending order.

Here is his answer.

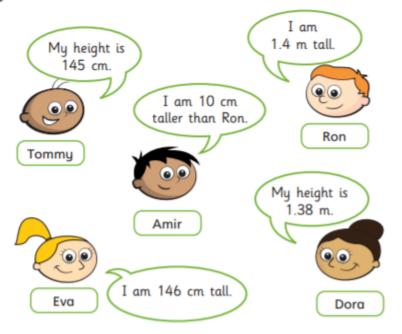
12.7 2.83 0.64

Do you agree with Teddy? __

Talk about it with a partner.

5	Annie and Dexter are comparing the decimals 4.12 and 4.8	
	4.12 is greater than 4.8, because 12 is bigger than 8 Annie 4.12 is smaller than 4.8, because 12 hundredths is less than 8 tenths. Dexter	
	Who do you agree with?	
	Explain your answer.	
6	Write < or > to complete the statements.	
	Decide whether the numbers are ascending or descending in	
	each part.	
	a) 3.2 () 3.9 ————	
	b) 0.41 0.38 0.25	
	c) 4.2	
7	Write the numbers in ascending order.	
	a) 2.38 0.97 1.45 1.81	
	b) 0.64 0.7 0.09 0.46	
	c) 12.3 2 7.83 0.99	

Tommy, Ron, Amir, Dora and Eva have measured their heights.



Write the children's names in order from shortest to tallest.

9 Here are two lists of numbers.

Use the digits 0 to 9 once each to complete the lists.

 ascending order
 .4
 _.41
 7.__9
 _.41

 descending order
 _.41
 7.__9
 _.41
 _.4__

Compare answers with a partner.

Is there more than one way to complete each list?

Round decimals



Here are some number cards.

27

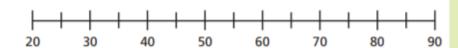
61

49

83

a) Draw arrows to estimate the position of the numbers on the number line.





b) Use the numbers to complete the sentences.

is closer to 50 than 40

is closer to 30 than 20

is closer to 80 than 90

is closer to 60 than 70

Here are some number cards.

2.7

6.1

4.9

8.3

a) Draw arrows to estimate the position of the numbers on the number line.



2 3 4 5 6 7 8 9

b) Use the numbers to complete the sentences.

is closer to 5 than 4

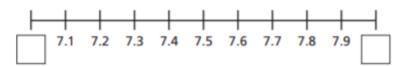
is closer to 3 than 2

is closer to 8 than 9

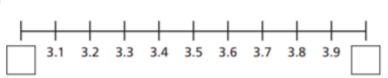
is closer to 6 than 7

Fill in the integers on the number lines.

a)



b)



Which integers do the numbers lie between?

Fill in the boxes to make the statements correct.

Circle your answers. 4.1 2.8 0.7 12.3 0.5 99.3 Is it closer to 4 or 5? (a) 1.8 (b) 4.2 (f) 20.1 (g) 1.5 (b) 4.2 (f) 20.1 (g) 1.5 (b) 99.8 Complete the number lines and sentences. (a) 1.5 (b) 4.2 (f) 20.1 (g) 1.5 (b) 99.8 Complete the number lines and sentences. (b) 4.2 (f) 20.1 (g) 1.5 (b) 99.8 Complete the number lines and sentences. (c) 1.8 (e) 13.7 (g) 1.5 (b) 99.8 (d) 1.5 (f) 99.8 Do you agree with Ron? Explain your answer. (e) 2 (f) 20.1 (g) 1.5 (g) 20.1 (g)	5	a) Label 4.3 on the number line.		7	Which num	nbers roun	d up to th	ne nearest	whole num	ber?
Is it closer to 4 or 5? Solution Soluti					Circle your	answers.				
b) Label 12.8 on the number line. a) 1.8 b) 4.2 f) 20.1 l) 1.5 h) 99.8 Complete the number lines and sentences. a) 4.3 4.7 Do you agree with Ron? Explain your answer. Do you agree with Ron? Explain your answer. I) Tommy is thinking of a number that has one decimal place. When he rounds his number to the nearest whole, the answer is 32 What number could Tommy be thinking of? Are there any other answers?		4 5			4.1	2.8	0.7	12.3	0.5	99.3
b) Label 12.8 on the number line. b) 4.2		Is it closer to 4 or 5?		8		h decimal		г	e number.	
c) 0.9 g) 0.4 d) 1.5 h) 99.8 d) 1.5 h) 99.8 d) 1.5 lis it closer to 12 or 13? 2 Ron is rounding 8.2 to the nearest whole number. 3 Ron is rounding 8.2 to the nearest whole number. 4.3 4.7 b) Because 2 tenths is less than 5 tenths, the number rounds down to 7 Do you agree with Ron? Explain your answer. 10 Tommy is thinking of a number that has one decimal place. When he rounds his number to the nearest whole, the answer is 32 What number could Tommy be thinking of? Are there any other answers?		b) Label 12.8 on the number line.			a) 1.8		e) 13.7		
d) 1.5 h) 99.8 Complete the number lines and sentences. a) 4.3 4.7 Do you agree with Ron? Explain your answer. Do you agree with Ron? Explain your answer. 10 Tommy is thinking of a number that has one decimal place. When he rounds his number to the nearest whole, the answer is 32 What number could Tommy be thinking of? Are there any other answers?					b) 4.2		f)	20.1		
Somplete the number lines and sentences. a) 4.3 4.7 Because 2 tenths is less than 5 tenths, the number rounds down to 7 Do you agree with Ron? Explain your answer. Do you agree with a one decimal place. When he rounds his number to the nearest whole, the answer is 32 What number could Tommy be thinking of? Are there any other answers?		12 13			c) 0.9		g	0.4		
Because 2 tenths is less than 5 tenths, the number rounds down to 7 Do you agree with Ron? Explain your answer. Do you agree with Ron? Explain your answer. Tommy is thinking of a number that has one decimal place. When he rounds his number to the nearest whole, the answer is 32 What number could Tommy be thinking of? Are there any other answers?		Is it closer to 12 or 13?			d) 1.5		h	99.8		
Explain your answer. Solution Solution	6	α)		•	Ron is rour		is	Because 2 less than the number	tenths 5 tenths, rounds)
26.1 When he rounds his number to the nearest whole, the answer is 32 What number could Tommy be thinking of? Are there any other answers?								_		
Are there any other answers?				10	When he re	ounds his r				-
Are there any other answers?		is closer to than	line. 13 nd sentences. 4.7 than than than		What num	ber could	Готту b	e thinking	of?	
				_	Are there of	any other	answers?			

Understand percentages



Complete the sentence for each diagram.

a)										П	
	H	Н	H	H	Н	H	Н	H	Н	Н	
	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	
										П	
	Н	Н	Н	H	Н	Н	Н	H	Н	Н	
				Н	Н	Н	Н			Н	

There are parts out of a hundred shaded.

0/6

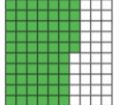


There are parts out of a

hundred sho	aded.
-------------	-------

This is		%
---------	--	---

c)



There are parts out of a

hundred shaded.

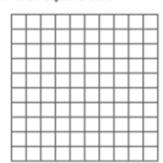
This is %

2

Complete the table.

Hundred square	Percentage
	82%

3 Shade 15% of the hundred square red. Shade 32% of the hundred square blue.



What percentage of the hundred square is **not** shaded?

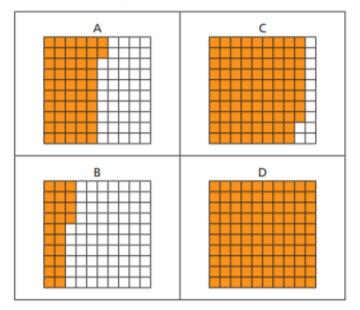
%

4	a) Is 1% of this bar model shaded? 1% Explain your reasoning. b) What percentage of each bar model is shaded?		Dexter has £1 to spend. He buys some stickers. I got 35p change. What percentage of his money did Dexter spend?
		%	 7 Aisha and Brett have been selling tickets for the school play. There are 100 seats available. On Monday they sold 34% of the tickets. On Tuesday they sold 42 tickets. By the end of Wednesday, 95% of the tickets had been sold. How many tickets did they sell on Wednesday?
5	Passengers are boarding a plane. The plane has 100 seats.		On Wednesday they sold tickets.
	a) 10% of the seats are already full. How many passengers are already on the plane? b) 15% of the seats have not been booked. How many seats have been booked?		Shade 85% of this bar model. Compare answers with a partner.
	c) How many passengers still need to board the plane?		

Percentages as fractions and decimals



1 Here are four hundred squares.

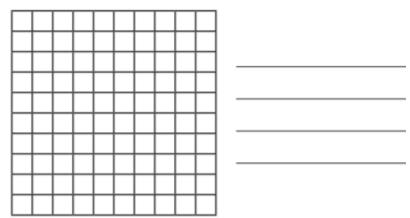


Complete the table.

Hundred square	Percentage	Fraction	Decimal
А		<u>52</u> 100	
В			
С			
D			

2 Prove that 0.2 is equal to 20%.

You may use the hundred square to help you.



Why do you think some people think that 0.2 is equal to 2%?

Complete the fraction, decimal and percentage equivalents.

b)
$$\frac{17}{100} =$$
 % =

- Write <, > or = to complete the statements.
 - a) 50% $\frac{5}{100}$
- d) $\frac{40}{100}$ 40%
- **b)** 25% $\left(\begin{array}{c} 50 \\ 100 \end{array}\right)$
- e) $\frac{70}{100}$ 7%
- c) 14% $\left(\right)$ $\frac{41}{100}$
- f) 82% $\left(\right) \frac{82}{100}$
- Write the values in order from smallest to greatest.
 - a) 33%
- 30 100
- 3%
- 13
- **b)** 299% $\frac{91}{100}$ 9% $\frac{9}{1}$
- c) 2.5 $\frac{25}{100}$ 250 25% of 100 $\frac{25}{1000}$



Convert the fractions to hundredths.

Complete the decimal and percentage equivalents.

a)
$$\frac{150}{300} = \frac{100}{100} = \frac{1}{100}$$

b)
$$\frac{25}{500} = \frac{}{100} = \frac{}{}$$

c)
$$\frac{48}{300} = \frac{100}{100} = \frac{1}{100}$$



e)
$$\frac{13}{25} = \frac{100}{100} = \frac{1}{100}$$

7 Circle all the fractions that are greater than or equal to 50%.

10
50

<u>4</u> 5 50 100

20	
30	
00	
οu	

<u>1</u> 50 70 140

Jack and Dora go shopping with the same amount of money. Jack spends $\frac{1}{3}$ of his money.

Dora spends 30% of her money.

Who spends more money?

Use fraction and percentage equivalence to explain your answer.

b) Jack and Dora each started with £300 How much money do they each have left?

Jack		
------	--	--

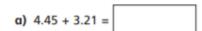
Dora

Adding decimals with the same number of decimal places



1 Complete the additions.

Use the place value charts to help you.



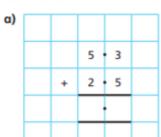


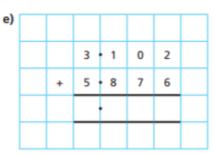
	4	• 4	5	
+	3	2	1	

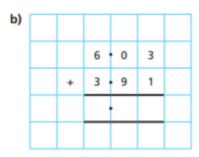
	Ones	Tenths	Hundredths						
						4	4	5	
					+	3	- 6	1	
T									

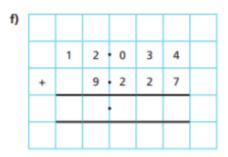
	Ones	Tenths	Hundredths				
					4	4	5
				+	3	- 7	8
-	1						

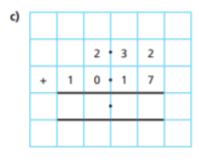
Use the column method to work out the additions.

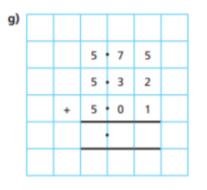


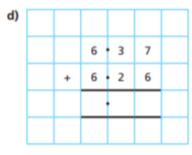


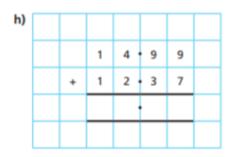












Work out the calculations.

Write <, > or = to make the statements correct.

Teddy is working out the total cost of these items.

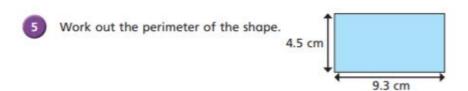




Here are his workings.

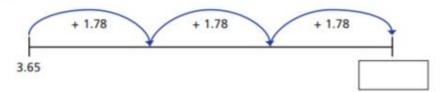
Talk to a partner about Teddy's mistake.

Work out the correct answer.

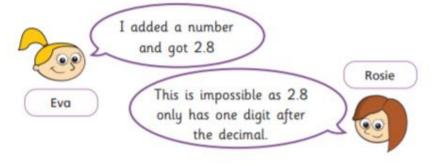


1
cm

6 Complete the number line.



Eva starts with the number 1.62



Is Rosie correct?

Talk about it with a partner.

Adding decimals with a different number of decimal places



Ron is adding 1.4 and 2.53

He makes each number with counters.

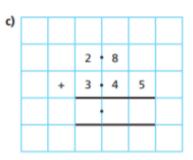
Ones	Tenths	Hundredths

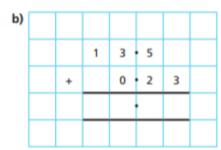
- a) What is the answer to Ron's calculation?
- b) Explain your method to a partner.
- c) Did you have to make an exchange? _____

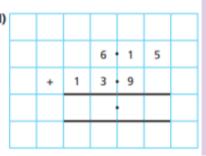


Work out the additions.

3 · 0 2 + 1 · 6







3 F

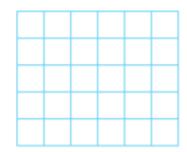
Filip is adding two numbers together.

He writes it as a column addition.

	1		3	8	
+	1	•	9	5	
	3	•	3	3	
	1		1		_

a) What mistake has Filip made?

b) Use the column method to work out the correct answer.



4) Use the column method to work out the additions.

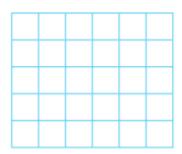


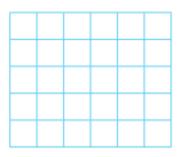


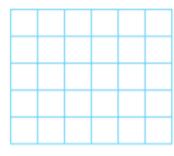
b) 14.82 + 3.7

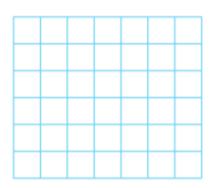
Use the column method to work out the additions.

a)
$$0.59 + 11.9$$

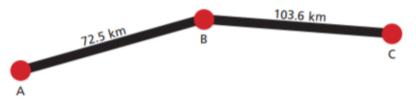








Mr Hall drives from point A to point B, then on to point C.



What is the total distance that Mr Hall drives?



3.8

4.19

0.72

11.46

a) What is the greatest total you can make by adding two of the numbers?

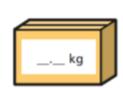
Complete the calculation.

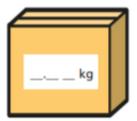
b) What is the sum of the four numbers?



Work out the missing digits.

The total mass of the two boxes is 10.85 kg. What could the mass of each box be?





How many answers can you find?