

Monday	Tuesday	Wednesday	Thursday	Friday
Addition more than one exchange	Addition – Column Method	Subtraction more than one exchange	Subtraction column method	Times tables practice
EGPS Practice	EGPS Practice	EGPS Practice	EGPS Practice	Reading comprehension.
Read at home	Read at home	Read at home	Read at home	

## Add two 4-digit numbers – more than one exchange



1 Complete the calculation.

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

Th	H	T	O
2	1	7	6
+	3	4	5

2 Who has got each question correct? Tick your answer.

a) Nijah

	H	T	O
	4	4	5
+	3	4	8
	7	8	3

Scott

	H	T	O
	4	4	5
+	3	4	8
	7	8	3

b) Nijah

	Th	H	T	O
	4	8	2	6
+	1	7	8	
	6	6	0	6
	1	1		

Scott

	Th	H	T	O
	4	8	2	6
+		1	7	8
	5	0	0	4
	1	1	1	

What mistake has the other person made in each calculation?

Talk about it with a partner.

3 Complete the additions.

a)

	Th	H	T	O
	4	7	1	2
+	3	4	9	2

c)  $3,784 + 2,526$


b)

	Th	H	T	O
	6	0	7	5
+		9	4	8

d)  $79 + 654 + 1,312$


4 Write each calculation in the correct column.

712 + 394

$1,312 + 2,527$

$2,350 + 3,760$

$1,995 + 712$

$3,044 + 2,372$

17 + 953

No exchange needed	One exchange	More than one exchange

Write one more calculation of your own in each column.

5 Dexter is playing a computer game.

The table shows the number of points he gets in each round.

Round	1	2	3
Number of points	3,550	2,175	1,895

a) How many points does Dexter have at the end of Round 2?

b) He needs 8,000 by the end of Round 3 to win the game.

Does Dexter win the game? \_\_\_\_\_

Show your workings.

6 Work out the missing digits.

a)		Th	H	T	O
		3	7		9
	+			8	
		6	9	2	5

		Th	H	T	O
				8	1
	+		9	8	
		4	2		8

c) Find two possible answers.

		Th	H	T	O
		2		1	
	+	3		6	
		6	1	8	2

		Th	H	T	O
		2		1	
	+	3		6	
		6	1	8	2

How did you work this out? Talk about it with a partner.

Are there any more answers?

## EGPS Practice

**a** Rewrite this sentence with a fronted adverbial and a subordinate clause. Don't forget the appropriate punctuation.

Dad prepared some delicious, home-made pancakes.



**d** Mr Whoops has accidentally jumbled up two Y5 spelling words. All the letters from the two words are muddled together- can you help him to unjumble them? (CLUE: They are both body parts!)

CLMATORSEHSUOHD



**b** Look at the choices of words within the brackets. Circle the correct word to fit the sentence:

The counsellor gave the man (advise/ advice) about how to get a new job.

Superman's wicked arch-enemy was trying to (device/ devise) a plan to take over the planet.

**e** Can you think of a word spelt with a silent letter to match the definition:

A baby sheep

To question whether something is correct

Pollution causes damage to this



**c** Write a sentence about the picture with a determiner. Underline it.

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**f** Rewrite this sentence so that the subordinate clause comes before the main clause. Don't forget your use of punctuation.

The chimera was feared by many Greek people as it was a ferocious beast.

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# Add whole numbers with more than 4 digits (column method)



1 Complete the calculations.

a)

Th	H	T	O
1000 1000	100	10 10 10 10 10 10	1 1 1 1 1 1
+	1000 100	10	1 1 1

	2	1	6	4	
	+	3	2	1	3

b)

Th	H	T	O
1000 1000 1000 1000	100 100	10 10 10 10 10 10 10	1 1 1 1 1 1 1
+	1000 100 100 100 100 100	10 10 10 10	1 1 1

	4	2	7	5	
	+	2	6	4	3

2 Complete the column additions.

	7	4	3	5	
	+	2	4	5	6

	7	4	3	5	
	+	2	4	6	6

	7	4	3	5	
	+	2	5	6	6

	7	4	3	5	
	+	3	5	6	6

What do you notice about each addition?

What stays the same? What changes?

3 Complete the additions. Use the place value chart to help you.

TTh	Th	H	T	O
1000 1000	1000 1000 1000	100 100	10 10 10 10	1 1 1 1 1

a)  $23,245 + 14,323 =$

b)  $23,245 + 14,328 =$

c)  $23,245 + 14,846 =$

d)   $+ 23,245 = 35,490$

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

a) £36,000 + £19,420


c) 843 cm + 15,611 cm


b) 40,720 g + 6,872 g


d) £17,320 + £6,009 + £34,871


- 5 The table shows the number of home and away fans attending three football matches.

Match	Home fans	Away fans
1	53,640	12,930
2	42,630	18,340
3	35,480	32,490

Which match had the greatest total attendance?

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- 6 Complete the additions.

a)


b)


- 7 Complete the additions.

a)  $735 + \square = 1,000$

b)  $1,026 + \square = 10,000$

c)  $\square + 872 = 10,000$

- 8 Mr Hall has written these additions on the board.

$324,846 + 12,475$

$17,654 + 2,935$

Dexter's workings


Eva's workings


Explain the mistakes that Dexter and Eva have made.



## EGPS Practice

**a** Can you add a relative clause to this sentence? What punctuation marks would it need?

The Great Fire of London \_\_\_\_\_

\_\_\_\_\_ destroyed many buildings in England's capital city.



**d** Circle the pronouns in these sentences:

We live at number 18 Greenwood Road.

He bought a new dog

Zoe has already eaten her lunch but I'm saving mine until later.

**b** Can you think of the -ough words to match these definitions?

You bake it to turn it into bread

\_\_\_\_\_

Zero \_\_\_\_\_

Past tense verb of fight \_\_\_\_\_

**e** Choose the correct form of the verb 'to be' to fit into these sentences.

Today, we \_\_\_\_\_ going swimming.

Just a moment ago, the birds \_\_\_\_\_ singing in the trees.

Yesterday, I \_\_\_\_\_ at school all day.

Now write a present perfect sentence using the correct form of the verb 'to be'.

\_\_\_\_\_

\_\_\_\_\_

**c** I'm Ronald Rock from The Daily Gazette.

Can you write the reporter's words into a direct speech sentence that uses inverted commas? Add an interesting synonym for said and underline it.

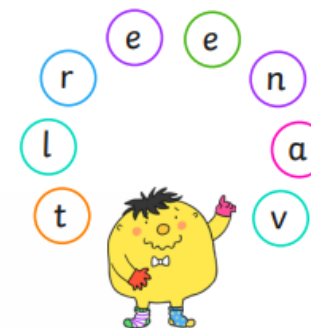


\_\_\_\_\_

\_\_\_\_\_

**f** Mr Whoops has been juggling with the letters from one of his Y5 spelling words- can you spot what it is?

\_\_\_\_\_





## Subtract two 4-digit numbers – more than one exchange



- 1 Kim has made a number using base 10

Th	H	T	O

- a) Subtract 8 from Kim's number.

- b) Explain the method you used.

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- c) Subtract 20 from Kim's number.

- d) Subtract 900 from Kim's number.

- e) Complete the subtractions.

$$1,702 - 28 = \boxed{\phantom{0000}} \quad 1,702 - 928 = \boxed{\phantom{0000}}$$



- 2 Use the place value chart to complete the subtractions.

H	T	O

a)  $564 - 354 = \boxed{\phantom{000}}$       c)  $564 - 365 = \boxed{\phantom{000}}$

b)  $564 - 355 = \boxed{\phantom{000}}$

Look at your calculations in parts a), b) and c).

What is the same? What is different?



- 1 Use the place value chart to complete the subtractions.

Th	H	T	O

a)  $5,435 - 2,036 = \boxed{\phantom{00000}}$

b)  $5,436 - 2,036 = \boxed{\phantom{00000}}$

c)  $5,437 - 2,036 = \boxed{\phantom{00000}}$

Look at your calculations in parts a), b) and c).

What is the same? What is different?





4 Complete the calculations.

a)

	Th	H	T	O
	7	3	2	5
-	2	4	0	6

c)

	Th	H	T	O
	7	1	0	2
-		3	9	8

b)

	Th	H	T	O
	5	6	3	4
-	2	7	4	5

d)

	Th	H	T	O
	5	0	0	0
-	1	7	3	3

5 A jug contains 1,500 ml of juice.



The juice is poured into 2 glasses.  
Each glass holds 258 ml of juice.  
How much juice is left in the jug?




6 Work out the missing digits.

a)

	Th	H	T	O
	7			4
-	1	2	3	
		9	5	8

b)

	Th	H	T	O
	4	0		3
-			3	8
		8	4	

7 Arrange all the digit cards to make a possible subtraction for each description.

0	1	2	3	4	5	6	7
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a) There are two exchanges.  
The answer is  
less than 2,000

-			

b) There are two exchanges.  
The answer is  
greater than 4,000

-			

c) There are three exchanges.

-			

## EGPS Practice

Add a possessive pronoun:

Mopsy and Topsy have a new hutch.

It is **theirs**.

Now write a similar sentence with a different possessive pronoun.

**Accept any similar sentence with a different possessive pronoun, i.e. yours, mine, ours, hers, his or its.**



Write a sentence about this picture that contains a fronted adverbial with the appropriate punctuation.

**Accept any sentence with a fronted adverbial to show time/ place/ manner marked with a comma, e.g. During the summer holidays, Libby and Isaac always play in their paddling pool.**

Can you write an il- or im- prefix word to match these definitions?

Very childish - **immature**

Against the law - **illegal**

Can you place the plural possessive apostrophe in the correct place within this sentence:



The children's Halloween outfits were very frightening.

Explain where you have placed your apostrophe and why.

**Children should be able to explain that the plural possessive apostrophe doesn't go after the 's' because children is an irregular plural.**

Mr Whoops has made FOUR clumsy spelling mistakes in his sentences. Can you underline them and correct them?

Remembrance Day is an important event where we remember and appresiate the soljiers that lost their lives in battle. Freequantly, people wear poppies as a simbol of respect.

**appreciate**

**soldiers**

**frequently**

**symbol**



Can you change these adjectives into adverbs?

horrible - **horribly**

enthusiastic - **enthusiastically**

# Subtract whole numbers with more than 4 digits (column method)



1

Th	H	T	O
<div> <div>1000</div> <div>1000</div> <div>1000</div> <div>1000</div> <div>1000</div> </div>	<div>100</div> <div>100</div> <div>100</div>	<div>10</div>	<div>1</div> <div>1</div> <div>1</div> <div>1</div> <div>1</div>

Complete the subtractions.

a)

	7	3	1	5	
-	2	1	0	4	

c)

	7	3	1	5	
-	5	4	2	0	

b)

	7	3	1	5	
-	3	2	4	1	

2

Complete the calculations.

a)

	8	4	3	4	
-	2	1	0	4	

b)

	£	8	8	2	0	0
-	£		6	1	0	0



c)

	4	6	8	3	2
-	1	9	0	2	4

d)

	3	4	5	2	0
-			6	7	9

3

A family has £22,658 in the bank.

They spend £3,600 on a holiday.

How much money do they have left?

4

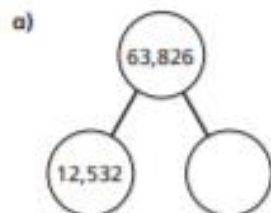
It is 10,553 miles from London to Sydney.

It is 9,929 miles from New York to Sydney.

How much further away is Sydney from London than from New York?

 miles

- 5 Complete the models.



b)

23,000		
12,365	4,017	

- 6 Mr Hall has written these subtractions on the board.

$$45,541 - 25,865$$

$$68,945 - 34,758$$

Rosie's workings

	2	5	8	6	5
-	4	5	5	4	1
	<hr/>				
	2	0	3	2	4
	<hr/>				

Whitney's workings

	6	8	9	4	5
-	3	4	7	5	8
	<hr/>				
	3	4	2	1	3
	<hr/>				

Explain the mistakes that Rosie and Whitney have made.

- 7 Complete the subtractions.

a)  $10,004 - 9,995 =$

b)  $10,000 - 6,727 =$

c)  $15,923 - 9,998 =$

How did you work this out?

Is there another method you could use?

- 8 Teddy and Jack are playing a computer game.

Teddy scores 55,890 points.

Jack scores 36,475 points fewer than Teddy.

- a) How many points does Jack score?

- b) How many points do they have altogether?

- 9 Here are some digit cards.



Ron makes a 4-digit number with the cards.

Eva makes a 4-digit number with the cards.

The difference between their numbers is between 1,000 and 3,000

What numbers could Ron and Eva have made?

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## EGPS Practice

**a** Can you write a sentence that contains a modal verb about the tennis player, Andy Murray? Underline it.

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**b** Write TWO different adverbs that describe the verb in the sentence.

The university graduate collected her degree certificate \_\_\_\_\_.

After weeks of starvation, the rescued man ate his meal \_\_\_\_\_.

**c** Clumsy Mr Whoops has lost some opposite words. Can you help him using prefixes?

necessary

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complete

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**d** Can you think of a preposition, a verb and a collective noun beginning with...

	preposition	verb	collective noun
the letter b?			
the letter f?			

Challenge: Can you use all three words from one row in a single sentence?

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**e** Can you think of the word to match the definition?

(CLUE: They contain a 'ch' that sounds like a 'k')

A bounced back sound \_\_\_\_\_

A place to go to get medicines \_\_\_\_\_

A person in a book or film \_\_\_\_\_

An evil plan \_\_\_\_\_

**f** Add a subordinate clause to the beginning of this sentence. Don't forget the correct punctuation.

Adam went on the biggest slide in the water park.



Friday

## Multiplication Square

[illegible]



# The Sun

The Sun is a star and is at the centre of our solar system. That is why it is called a solar system. The word solar means 'relating to the Sun'. The planets in our solar system stay together because the Sun is so big its gravity keeps us all locked in orbit around it.

## **Making Energy:**

The Sun provides almost all the energy, light and heat needed on Earth and it mainly uses hydrogen and helium for this. Energy is made at its core in the centre of the Sun's sphere. Around the core is the radiative zone which carries the energy to the next layer – the convection zone. It takes about 170,000 years for the energy to move from the core to the convection zone! The photosphere is at the Sun's surface and the energy gets to there from the convection zone in large bubbles. From here, the energy escapes (through the chromosphere and corona) and some of it comes to Earth. It takes about 8 minutes for heat to reach us from the Sun.

## **Did you know?**

Surface temperature: 5505°C

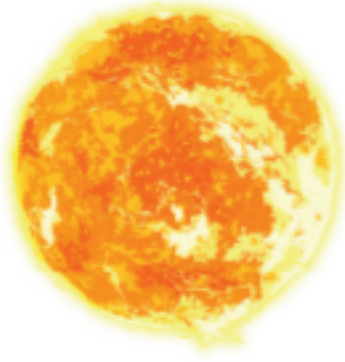
Distance to Earth: 149.6 million km

Radius: 696,342 km

Circumference: 4,366,813 km (2,713,406 miles)

Mass: 1,989,000,000,000,000,000,000,000,000,000,000,000kg

(About 1.3 million Earths could fit inside the Sun)



## **Lifespan:**

The Sun is actually a yellow dwarf star and was created about 4.6 billion years ago. The Sun will eventually run out of energy and fade, but don't worry...this won't be for another 4.5 to 5.5 billion years yet! Before the Sun eventually fades, in an unimaginable time from now, it will get bigger and turn into what is called a 'red giant'. In 1.1 billion years from now, the Sun will be 10% brighter than it is today. This will make Earth a bit like a greenhouse – hot and moist. 3.5 billion years from now, it will be even brighter than that: at 40% more than it is today. This will be so hot that the oceans will boil and the ice will melt. It's safe to say that there will be no life on Earth by then, but with space travel already making new discoveries and exploring other planets, where do you think humans will be by then?



# Questions

1. What gases is the Sun mainly made from?

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2. How long does it take energy to reach Earth from the Sun?

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3. How far away is the Sun from Earth?

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4. What type of star is the Sun now?

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5. List the different layers of the Sun from the centre to the outside.

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6. What keeps our solar system of planets orbiting the Sun?

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7. Solar means 'relating to the Sun'. Think of another example where we use the word 'solar'.

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8. Will the Sun last forever? If not, why not?

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9. In the final paragraph it says that Earth will become 'a bit like a greenhouse'. A greenhouse is warm and moist inside because of the glass that lets heat and light in and keeps it in. Our Earth is not surrounded by glass, so what will let the heat and light in and keep it in?

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10. Look at the final line - where do you think humans will be by then?

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