Home Learning Pack

Year 5

Classroom secrets KIDS

Roman Numerals

1a. Complete the sequences by filling in the missing Roman numerals.

a)	X		XII	
b)		XXXVI		XXXVIII
c)	LX		LXII	

D VF

2a. Write the following Roman numerals in ascending order.

L XIX XV XXXI

D VF

3a. Use <, > or = to complete the statements.

LXXI ☐ 21

85 ☐ XCV

XLVIII ☐ 48

D VF

4a. The Twin Towers were destroyed in 2001.

Circle the correct Roman numeral.

MMI MMMI CCI

D VF

Roman Numerals

1b. Complete the sequences by filling in the missing Roman numerals.

a)	XLV		XLVII	
b)		LXVIII		LXX
c)	XCII		XCIV	

D VF

2b. Write the following Roman numerals in ascending order.

XLVII C LXVII XCI

D VF

3b. Use <, > or = to complete the statements.

XXXVIII ☐ 38

50 ☐ XLIX

86 ☐ LXXXVII

D VF

4b. The Prophet Muhammad was born in the year 570.

Circle the correct Roman numeral.

DLX DLXX DCCL

D VF

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Roman Numerals

1a. Complete the calculations. Write the answers in Roman numerals.

LX + 20 = ☐

90 – XXXVI = ☐

XCI + 8 = ☐

D PS

Roman Numerals

1b. Complete the calculations. Write the answers in Roman numerals.

XLIX – 30 = ☐

85 + XIII = ☐

74 – XXIV = ☐

D PS

2a. Using your knowledge of Roman numerals to 100, work out the value of the Roman numeral below.

CC

Explain your reasoning.

D R

2b. Using your knowledge of Roman numerals to 100, work out the value of the Roman numeral below.

CL

Explain your reasoning.

D R

3a. Arrange the cards below to create different Roman numerals. Each card may only be used once.

X L I

Find all the possibilities.

D PS

3b. Arrange the cards below to create different Roman numerals. Each card may only be used once.

V X I

Find all the possibilities.

D PS

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Roman Numerals

1a. Complete the sequences by filling in the missing Roman numerals.

a)	CIII		CV	
b)		CCLV		CCLVII
c)	DXXIV		DXXVI	

VF

Roman Numerals

1b. Complete the sequences by filling in the missing Roman numerals.

a)		CCCLI		CCCLIII
b)	CDVII		CDVIX	
c)		DCXV		DCXVII

VF

2a. Write the following Roman numerals in ascending order.

CMI CCCXC DC CXCIX

VF

2b. Write the following Roman numerals in ascending order.

CCCXL CXLII CCLXXX DCCXII

VF

3a. Use <, > or = to complete the statements.

CDLV ☐ 355

699 ☐ DCXCIX

CDXXVII ☐ 430

VF

3b. Use <, > or = to complete the statements.

DCCXLI ☐ 761

897 ☐ CMXX

CCCLXVIII ☐ 833

VF

4a. The Battle of Hastings occurred in 1066.

Circle the correct Roman numeral.

MLXVI MLXV CLXVI

VF

4b. The War of the Roses began in 1455.

Circle the correct Roman numeral.

MCLV MDLV MCDLV

VF

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Roman Numerals

1a. Complete the calculations. Write the answers in Roman numerals.

200 + CCI = ☐

DC – 45 = ☐

CCCL + 150 = ☐

E PS

Roman Numerals

1b. Complete the calculations. Write the answers in Roman numerals.

485 – CCXV = ☐

241 + DCXXXIV = ☐

CMXI – 303 = ☐

E PS

2a. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.

MMM

Explain your reasoning.

E R

2b. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.

MLX

Explain your reasoning.

E R

3a. Arrange the cards below to create different Roman numerals. Each card may only be used once.

C X C I

Find all the possibilities.

E PS

3b. Arrange the cards below to create different Roman numerals. Each card may only be used once.

I V C X

Find all the possibilities.

E PS

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Roman Numerals

1a. Complete the sequences by filling in the missing Roman numerals.

a)	CCXX		CCXXIV	
b)		CDXLV		CDLV
c)	DCL		DCLXX	

GD VF

2a. Write the following Roman numerals in descending order.

DCXIV DXCVIII CMXCI DCCXC

GD VF

3a. Use <, > or = to complete the statements.

CLXXXIV ☐ CXCII

CCLXXXIV ☐ CCCLVII

DCXLVII ☐ DCLXXIV

GD VF

4a. Queen Victoria was born in MDCCCXIX.

Write this as a number.

GD VF

Roman Numerals

1b. Complete the sequences by filling in the missing Roman numerals.

a)		CCCIII		CCCIX
b)	CMXL		CMLX	
c)		DXIV		DCCXIV

GD VF

2b. Write the following Roman numerals in descending order.

DCXXV DCV CMXC DLXIII

GD VF

3b. Use <, > or = to complete the statements.

CV ☐ XCVIII

CMXCVI ☐ M

DLXVII ☐ DLXVII

GD VF

4b. Shakespeare was born in MDLXIV.

Write this as a number.

GD VF

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Roman Numerals

1a. Complete the calculations. Write the answers in Roman numerals.

CCCXII + CVI = ☐

DCCXXI – CCXV = ☐

CDXCI + CCCLX = ☐

GD PS

Roman Numerals

1b. Complete the calculations. Write the answers in Roman numerals.

M – DXLVIII = ☐

DCXXIX + CXIII = ☐

CMVI – CDXIV = ☐

GD PS

2a. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.

MCDIX

Explain your reasoning.

GD R

2b. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.

MMDCII

Explain your reasoning.

GD R

3a. Arrange the cards below to create different Roman numerals. Each card may only be used once.

I	X	C	I	D

Find all the possibilities.

GD PS

3b. Arrange the cards below to create different Roman numerals. Each card may only be used once.

X	V	C	I	C

Find all the possibilities.

GD PS

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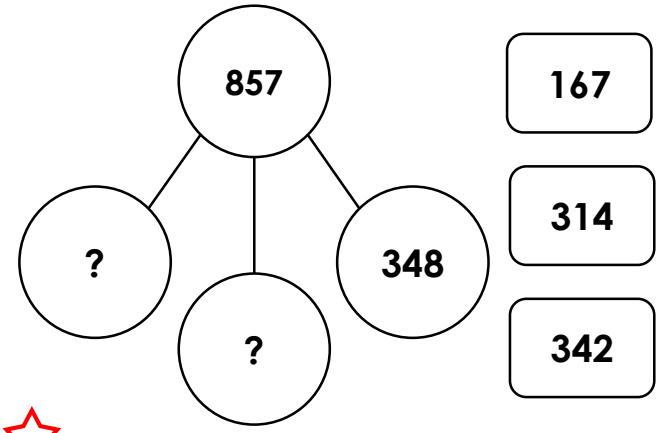
Multi-Step Problems

1a. Use the cards to complete the part whole model.



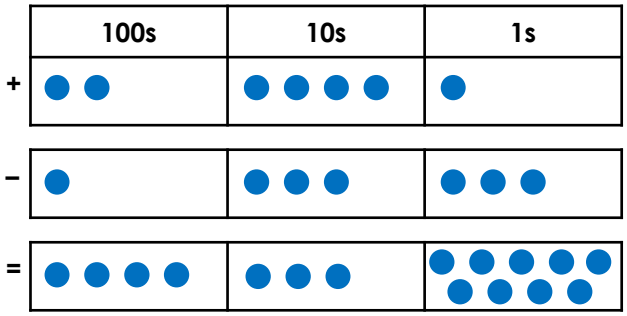
D VF

2a. Complete the bar model.

465		
124	?	202

D VF

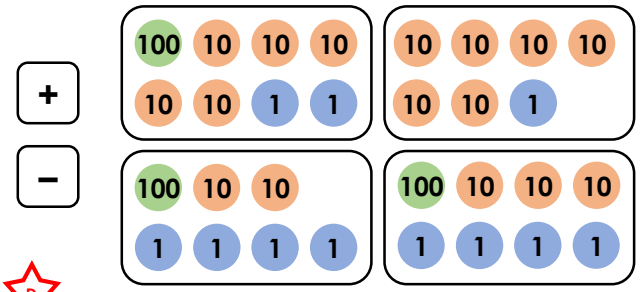
3a. Ben thinks of a number. He adds and subtracts the following numbers:



What number did he start with?

D VF

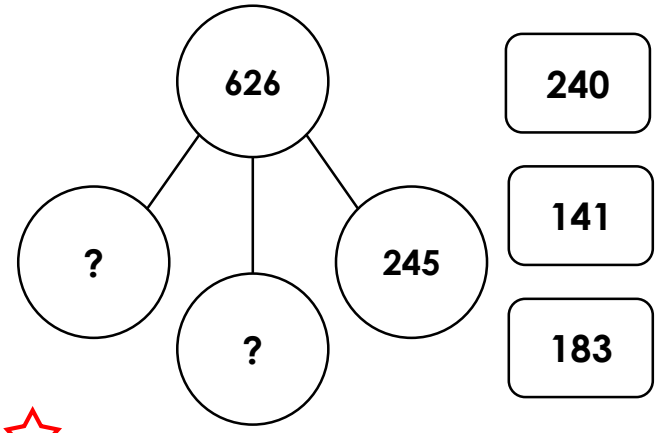
4a. Which of the following cards create a two-step calculation that gives 89 as the answer?



D VF

Multi-Step Problems

1b. Use the cards to complete the part whole model.



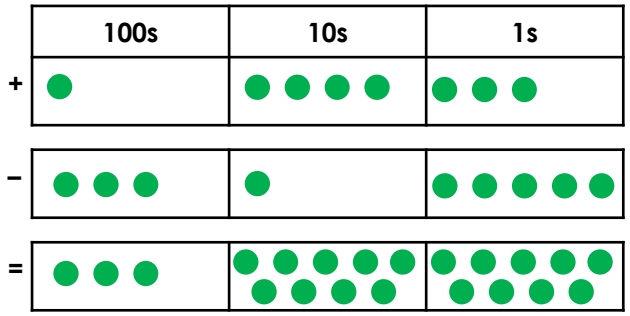
D VF

2b. Complete the bar model.

938		
?	85	344

D VF

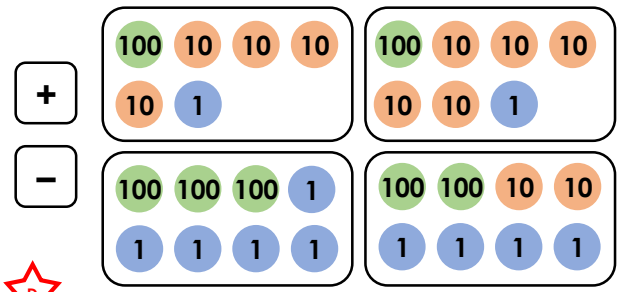
3b. Kate thinks of a number. She adds and subtracts the following numbers:



What number did she start with?

D VF

4b. Which of the following cards create a two-step calculation that gives 222 as the answer?



D VF

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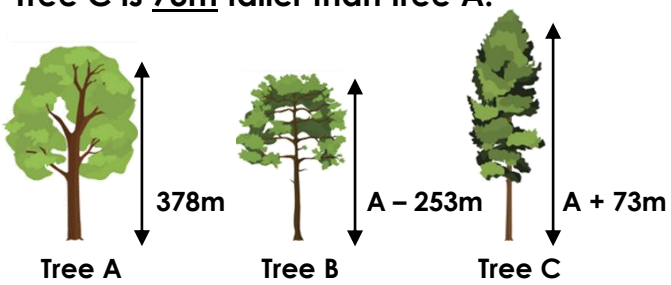
Multi-Step Problems

1a. Tree A is 378m tall.

Tree B is 253m shorter than tree A.

Tree C is 73m taller than tree A.



What is the total height of the trees?

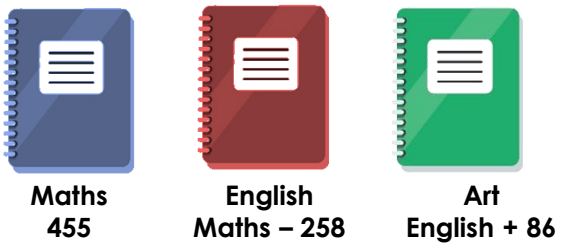
D

PS

Multi-Step Problems

1b. A school orders 455 maths books.

They order 258 fewer English books than maths books, and 86 more art books than English books.



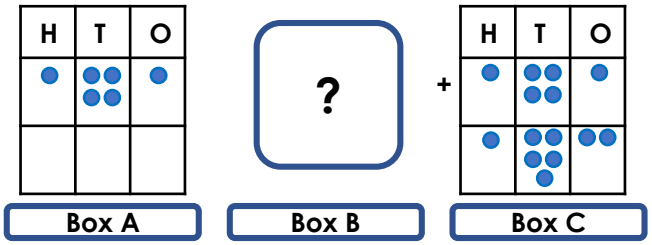
How many books are ordered in total?

D

PS

2a. There are 500 marbles in a pack.

Box A has 141 marbles. Box C has 152 more than box A.



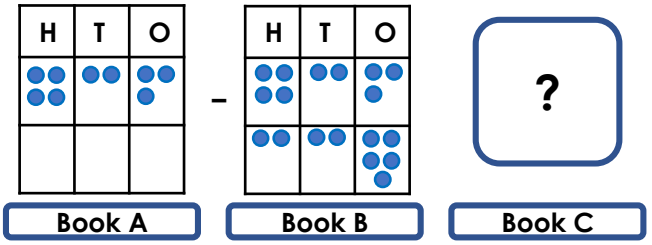
How many marbles are in box B? Convince me.

D

R

2b. Eric has 723 stamps in his collection

Book A has 423 stamps in. Book B has 225 fewer than book A.



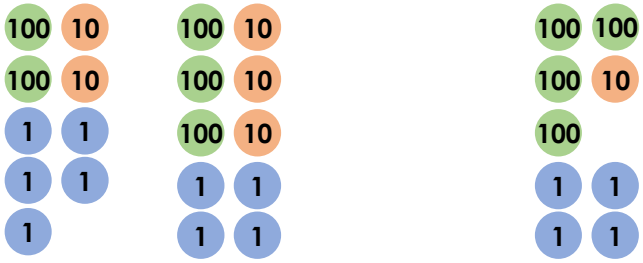
How many stamps are in book C? Convince me.

D

R

3a. Write a word problem to go with the following calculation.

225g + 334g – ☐ = 414g



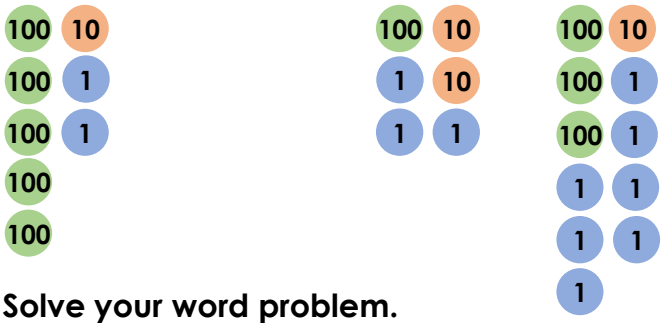
Solve your word problem.

D

PS

3b. Write a word problem to go with the following calculation.

512cm – ☐ + 123cm = 317cm



Solve your word problem.

D

PS

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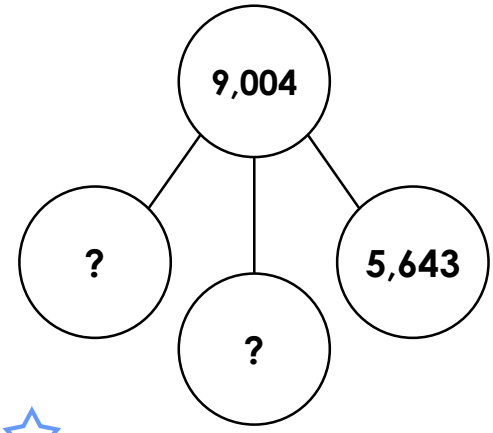
Multi-Step Problems

1a. Use the cards to complete the part whole model.



2,089

2,890

1,272

E VF

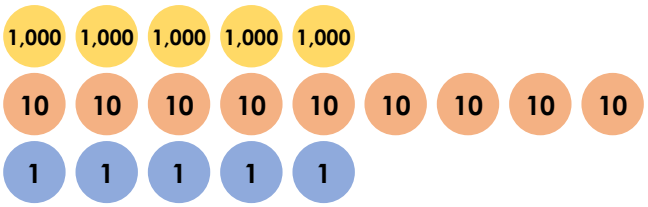
2a. Complete the bar model.

7,429		
1,532	?	965

E VF

3a. Tony thinks of a number.

After he adds 6,424 and subtracts 2,825, his number is 5,095.



What number did he start with?

E VF

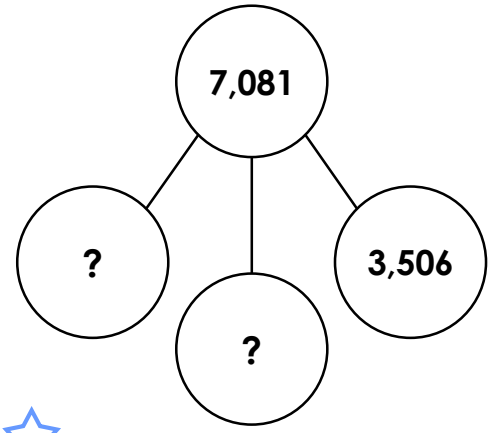
4a. Which of the following cards create a two-step calculation that gives 6,184 as the answer?

+	3,566	4,105
3,688	5,645	–

E VF

Multi-Step Problems

1b. Use the cards to complete the part whole model.



2,135

1,444

1,440

E VF

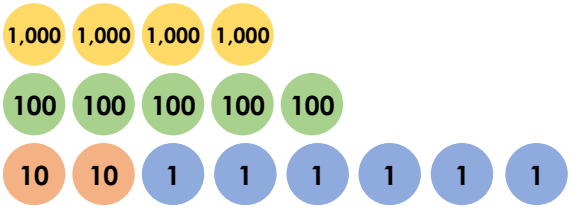
2b. Complete the bar model.

8,498		
?	3,009	999

E VF

3b. Alycia thinks of a number.

After she subtracts 3,724 and adds 2,999, her number is 4,526.



What number did she start with?

E VF

4b. Which of the following cards create a two-step calculation that gives 2,875 as the answer?

+	3,055	304
403	6,234	–

E VF

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Multi-Step Problems

1a. A charity want to raise £9,559.

They raise £4,522 in the first month.

They raise two thousand, six hundred and twenty-five pounds less in the second month.

In the third month, they raise £1,540 more than what they raised in the second month.

Does the charity reach their goal?

E PS

Multi-Step Problems

1b. A warehouse is receiving a bulk shipment of pet food.

6,016 of the tins are dog food.

They receive 4,634 fewer tins of cat food than dog food.

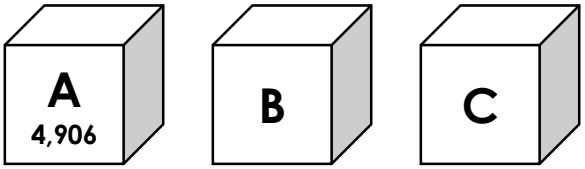
They receive 1,020 more tins of fish food than cat food.

How many tins of pet food do they receive in total?

E PS

2a. Jack is organising his sticker collection. He has 9,292 stickers in total.

Box A has 4,906 stickers. Box C has 1,208 fewer stickers than box A.

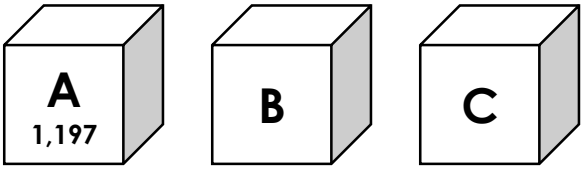


How many stickers are in box B? Convince me.

E R

3b. There are 4,498 counters in one bulk bag.

Box A holds 1,197 counters. Box B holds 586 more counters than box A.



How many counters are in box C? Convince me.

E R

3a. Write a word problem to go with the following calculation.

7,886ml – 4,392ml + ____ ml = 6,399ml

Solve your word problem.

E PS

3b. Write a word problem to go with the following calculation.

£6,688 + £2,501 – £ ____ = £7,626

Solve your word problem.

E PS

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Multi-Step Problems

1a. Roy had £8,409. He spent £3,678 on a holiday and then spent the rest on a TV and a bike.

Select the two cards which show how much he spent on the TV and bike.

£2,573	£2,753	£1,978

GD VF

2a. Complete the calculation.

6,324 – 2,962 = ☐ + 1,587

GD VF

3a. Sam has 5,431 marbles.

He won 2,558 but lost 4,278.

How many marbles did he start with?

GD VF

4a. Find a route through the table that leads from one shaded box to the other.

8,346ml	– 5,421ml	+ 3,009ml
– 2,359ml	+ 3,758ml	– 352ml
+ 3,758ml	– 3,956ml	5,789ml

GD VF

Multi-Step Problems

1b. Sue had £6,112. She spent £1,978 on a computer and then spent the rest on a motor bike and a handbag.

Select the two cards which show how much she spent on the motor bike and handbag.

£245	£524	£3,889

GD VF

2b. Complete the calculation.

7,003 – ☐ = 1,698 + 364

GD VF

3b. Izzy has 2,567 pennies in her piggy bank.

This month she has put 3,786 pennies in but has taken 4,099 out.

How many pennies did she start with?

GD VF

4b. Find a route through the table that leads from one shaded box to the other.

987g	+ 5,988g	+ 2,977g
+ 7,888g	– 4,009g	– 8,697g
– 6,186g	– 1,713g	1,255g

GD VF

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Multi-Step Problems

1a. A printing company are recording their quarterly sales. They want to print 8,500 flyers in this quarter.

In January, they printed 2,264 flyers.

In February, they printed half the amount printed in January.

In March, they printed 234 more than January and February combined.

Have they met their goal for this quarter?

GD

PS

Multi-Step Problems

1b. Jet Air are tracking the number of bookings made year on year to measure the company's growth.

Year	Number of bookings
2016	2,267
2017	Up 2,796
2018	Down 2,978

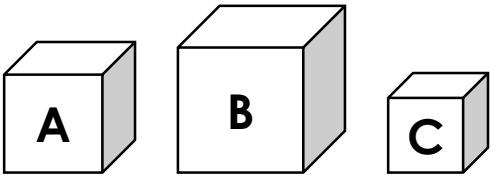
How many bookings were made in each year and in total?

GD

PS

2a. 4,432 buttons are made in three hours. It takes six hours to make enough buttons to fill three boxes.

When Box B has been filled, there are 3,363 buttons remaining. Box C holds half the amount of buttons as Box A.



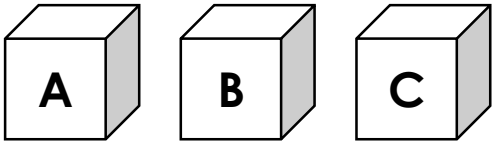
How many more are there in box A than box C?

GD

R

2b. Three boxes hold 9,567 elastic bands altogether. When box C has been filled there are 6,909 elastic bands left.

Box A has twice as many elastic bands as box B.



How many more are there in Box C than Box B?

GD

R

3a. These are the items in a school stationery cupboard. Write a word problem using the information from the table. It must have at least two steps and the answer must be a 4-digit number.

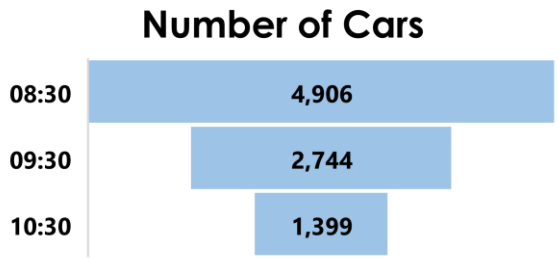
Item	Number
Pens	2,764
Pencils	
Rulers	2,009
Total	8,672

Solve your word problem.

GD

PS

3b. These are the results of a traffic survey. Use the information to write a word problem. It must have at least two steps and the answer must be a 4-digit number.



Solve your word problem.

GD

PS

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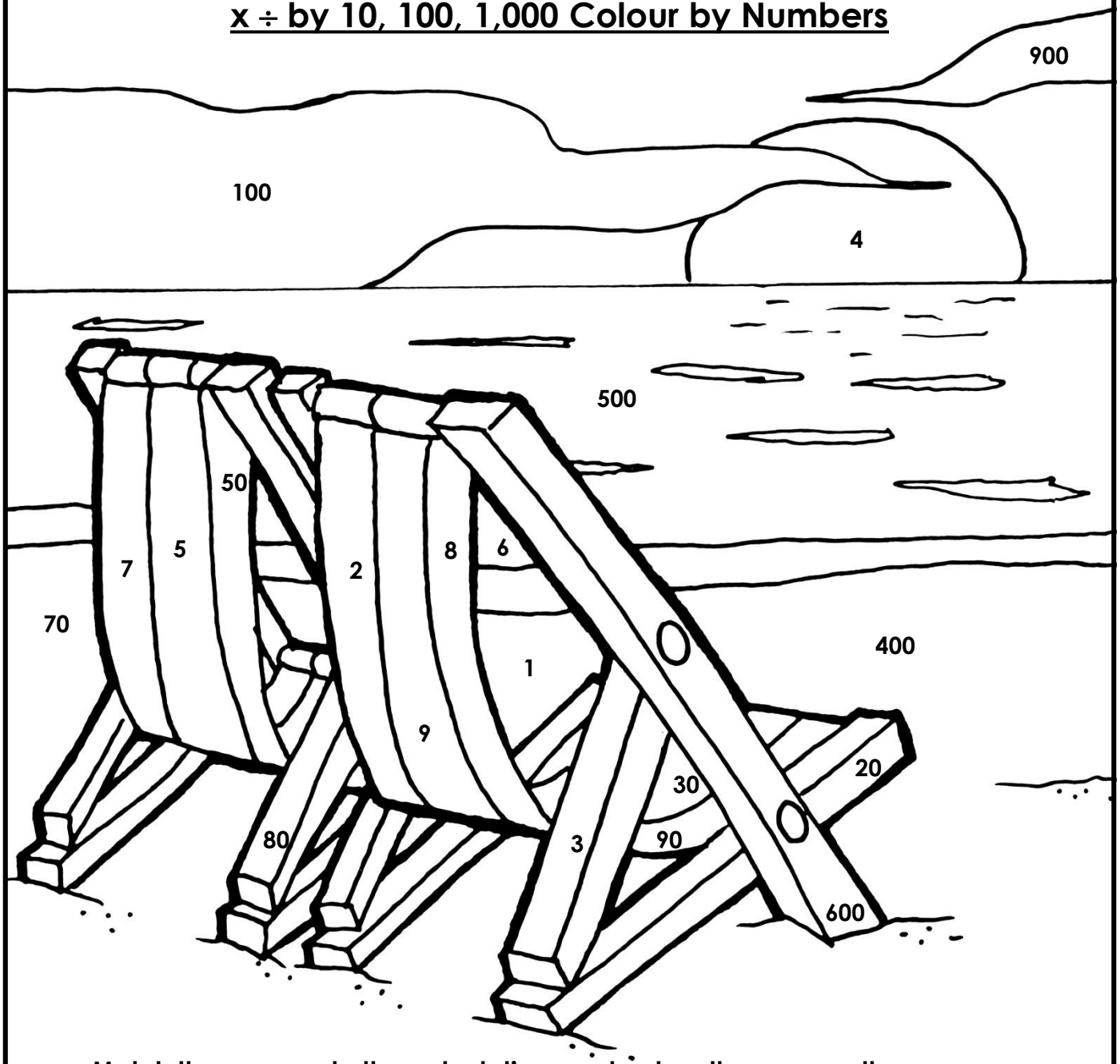
x ÷ by 10, 100, 1,000 Colour by Numbers



Match the answers to the calculations and colour them correctly.

Dark Blue
500 ÷ 100
90 ÷ 10
3 x 10

Yellow
100 ÷ 100
10 x 10
4 x 100
7 x 10
9 x 100

Red
20 ÷ 10
800 ÷ 100
9 x 10

Orange
400 ÷ 100
70 ÷ 10
5 x 10

Brown
30 ÷ 10
6 x 100
8 x 10
2 x 10

Light Blue
60 ÷ 10
5 x 100

Now colour the rest of the picture.

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Multiplying and Dividing Word Problems

1. a) 8 times a number is 200. What is 80 times the number?
   b) 6 times a number is 8.4. What is 60 times the number?
   c) 70 times a number is 56. What is 7 times the number?
   Explain your answers to all parts.

2. Lizzie and Jane share 2690 beads equally between them. They create jewellery items to sell at the school fayre. Jane needs 7 beads per item and Lizzie needs 8 beads per item. Who, if anyone, will have the most number of beads left over?

3. Daniel gets €592.50 when he exchanges £500. He decides to exchange another £300. How much is this in Euros?

4. It takes 12 weeks for a sunflower to grow 15cm. How many minutes is this?

5. 14 x ☐ x ☐ = 1694
   The same number is missing from each box. What is the missing number?

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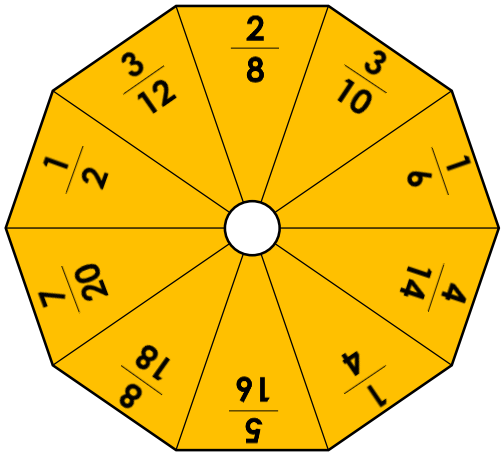
Add and Subtract Fractions

1. With a partner, play the game below.

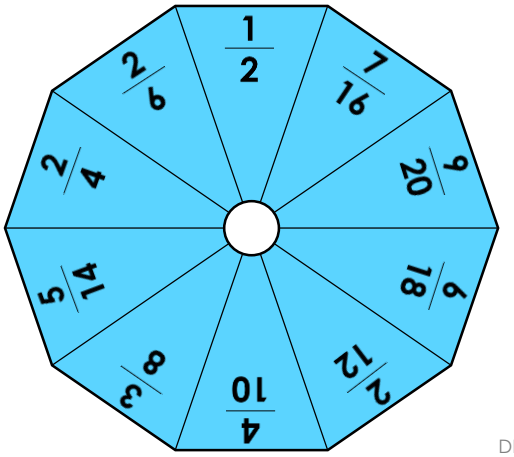
Cut the spinners out and take it in turns to spin!
Each spinner will give you a fraction.
Add the two fractions together.
A point is received for each correct answer.
The person with the highest number of points after 10 spins is the winner.

Were some pairs easier to add together? Why?

Spinner 1



Spinner 2



DP

2. Play the game with a partner. You need a different coloured pencil each. Choose two fractions to subtract. If the answer is less than one half, shade both boxes. The first person to travel from one side of the board (in any direction) to the other is the winner. You cannot choose fractions with the same denominator.

$\frac{9}{12}$	$\frac{5}{16}$	$\frac{3}{5}$	$\frac{4}{6}$	$\frac{2}{3}$
$\frac{8}{10}$	$\frac{7}{9}$	$\frac{11}{8}$	$\frac{3}{4}$	$\frac{15}{12}$
$\frac{5}{6}$	$\frac{4}{5}$	$\frac{15}{9}$	$\frac{5}{8}$	$\frac{9}{10}$
$\frac{14}{8}$	$\frac{20}{16}$	$\frac{1}{4}$	$\frac{2}{6}$	$\frac{14}{12}$
$\frac{7}{4}$	$\frac{12}{9}$	$\frac{17}{10}$	$\frac{5}{3}$	$\frac{8}{5}$

DP

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Fronted Adverbials

1a. Circle the sentence below which has used a fronted adverbial.

A. We all went into the cinema before it rained.
B. Finally, we all went to the cinema.
C. We all went to the cinema quickly.

D VF

Fronted Adverbials

1b. Circle the sentence below which has used a fronted adverbial.

A. Firstly, you should visit the museum.
B. You should visit the museum before you do anything else.
C. We will certainly visit the new exhibition.

D VF

2a. Insert a comma after the fronted adverbial in the sentence below.

Eventually we all made it to Harriet's birthday party.

D VF

2b. Insert a comma after the fronted adverbial in the sentence below.

Sadly Emma lost her dog at the beach.

D VF

3a. True or false? The adverbial used in the sentence below is an adverbial of place and can be moved to the front of the sentence.

I bought an expensive chocolate bar from the corner shop.

D VF

3b. True or false? The adverbial used in the sentence below is an adverbial of time and can be moved to the front of the sentence.

You will find many tasty snacks in the top cupboard.

D VF

4a. Identify which adverbial in the sentence below can be moved to the beginning of the sentence.

I parked my car under the bridge this morning.

D VF

4b. Identify which adverbial in the sentence below can be moved to the beginning of the sentence.

The ladies were still dancing in high heels at midnight.

D VF

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Fronted Adverbials

1a. Rewrite the sentence below with the adverbial phrase at the beginning of the sentence.

Niamh ran home excitedly to see her birthday cake.

D A

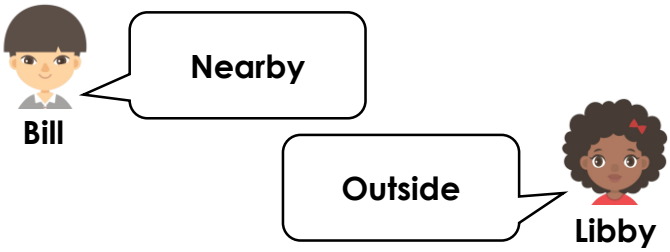
Fronted Adverbials

1b. Rewrite the sentence below with the adverbial phrase at the beginning of the sentence.

The team captain jumped up happily when they scored a goal.

D A

2a. The children are discussing which adverbials are best to use in a sentence.

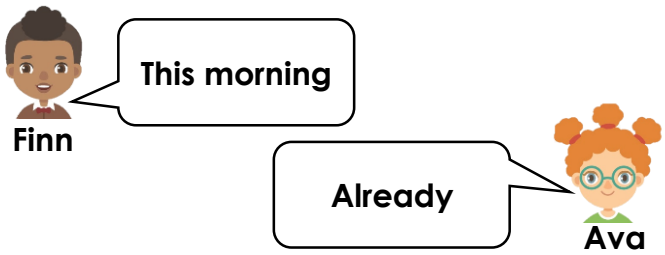


_____ it was sunny but not particularly warm.

Whose adverbial would fit best?

D A

2b. The children are discussing which adverbials are best to use in a sentence.



_____ his cat came home with a mouse he had found.

Whose adverbial would fit best?

D A

3a. Jenny thinks that the phrase *'in the morning'* can be moved to the beginning of the sentence and used as a fronted adverbial.

The postman will deliver our letters in the morning.

Is she correct? Explain your answer.

D R

3b. Riley thinks that the phrase *'into his mum's car'* can be moved to the beginning of the sentence and used as a fronted adverbial.

Shaun finds it hard to get into his mum's car.

Is he correct? Explain your answer.

D R

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Fronted Adverbials

1a. Circle the sentence below which has used a fronted adverbial.

A. Suzie walked past the beach after she had finished shopping.
B. After finishing her shopping, Suzie went for a walk along the beach.
C. Suzie liked to collect shells when she went walking on the beach.

E VF

2a. Insert a comma after the fronted adverbial in the sentence below.

On a Monday evening my children both have dancing lessons with different teachers.

E VF

3a. True or false? The adverbial used in the sentence below is an adverbial of frequency and can be moved to the front of the sentence.

The mouse was frequently seen running around in the kitchen, avoiding the cat.

E VF

4a. Identify which adverbial in the sentence below can be moved to the beginning of the sentence.

The driver pulled over somewhere near here, and frantically ran out of the car towards the river.

E VF

Fronted Adverbials

1b. Circle the sentence below which has used a fronted adverbial.

A. We always sit next to the window above the wing.
B. Children usually choose the window seat so that they get the best view during the flight.
C. A few rows behind, there are some seats with extra legroom.

E VF

2b. Insert a comma after the fronted adverbial in the sentence below.

Before long the lost dog returned unharmed to his relieved owner.

E VF

3b. True or false? The adverbial used in the sentence below is an adverbial of frequency and can be moved to the front of the sentence.

My sister is usually in trouble when she sulks in her bedroom and ignores everyone.

E VF

4b. Identify which adverbial in the sentence below can be moved to the beginning of the sentence.

He left the party earlier than planned so he could rest before his important cricket match the following day.

E VF

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Fronted Adverbials

1a. Rewrite the sentence below with the adverbial phrase at the beginning of the sentence.

The children in Miss. Treacle's class could barely see the luxurious cruise ship in the distance.

E A

Fronted Adverbials

1b. Rewrite the sentence below with the adverbial phrase at the beginning of the sentence.

Michael had been living in his grandmother's house with his labrador since 2010.

E A

2a. The children are discussing which adverbials are best to use in a sentence.

Will: Always

Beth: As soon as they were told

The children returned to their seats without a sound.

Whose adverbial would fit best?

E A

2b. The children are discussing which adverbials are best to use in a sentence.

Simon: Below the sea

Isla: Overseas

The deep sea divers discovered an old, ruined pirate ship.

Whose adverbial would fit best?

E A

3a. Linda thinks that the words *'went to the local park'* can be moved to the beginning of the sentence and used as a fronted adverbial.

Every Friday afternoon, Charlie went to the local park to play rounders with his friends until late.

Is she correct? Explain your answer.

E R

3b. Kieran thinks that the words *'with her cousin'* can be moved to the beginning of the sentence and used as a fronted adverbial.

Laurie runs to the ice cream van with her cousin and buys them both a tasty treat.

Is he correct? Explain your answer.

E R

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Fronted Adverbials

1a. Circle the sentence below which has used a fronted adverbial.

A. A beautiful second goal flew into the back of the net after a few agonising minutes on the pitch.

B. Shortly after, following a tense few minutes on the pitch, another goal flew into the back of the net.

C. All the spectators cheered as another shot zoomed effortlessly into the net.

GD VF

2a. Insert a comma after the fronted adverbial in the sentence below.

To annoyingly make matters worse, after being delayed in the airport for three hours, Ben's suitcase couldn't be located.

GD VF

3a. True or false? The adverbial of frequency used in the sentence below can be moved to the front of the sentence.

Much to her disappointment, during the holidays, Julia rarely had many visitors.

GD VF

4a. Identify which adverbial in the sentence below can be moved to the beginning of the sentence.

It's really important to eat more carbohydrates than usual before a big race as the muscles in your body will store more energy allowing for plenty of exercise.

GD VF

Fronted Adverbials

1b. Circle the sentence below which has used a fronted adverbial.

A. Carefully, without making a sound, Tommy unbuckled Esme and carried her into the house.

B. Tommy crouched down awkwardly and unbuckled his daughter without disturbing her sleep.

C. Esme, who was blissfully unaware of what was happening, was lifted up.

GD VF

2b. Insert a comma after the fronted adverbial in the sentence below.

A few hours later that day despite Olive's repeated presses of the doorbell, nobody answered and she began to worry.

GD VF

3b. True or false? The adverbial of frequency used in the sentence below can be moved to the front of the sentence.

Oddly enough, Richard, who normally had a great sense of direction, couldn't find his way back to his hotel.

GD VF

4b. Identify which adverbial in the sentence below can be moved to the beginning of the sentence.

Melanie had wanted a promotion in the company for a long time although it was unlikely to happen now as her new manager wasn't very fond of her.

GD VF

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Fronted Adverbials

1a. Rewrite the sentence below with one adverbial phrase at the beginning of the sentence.

Once or twice, the teenagers had been camping with their friends during the summer holidays.

GD

A

Fronted Adverbials

1b. Rewrite the sentence below with one adverbial phrase at the beginning of the sentence.

With huge grins on their faces, they went to the waterpark at the weekend as they loved the slides.

GD

A

2a. The children are discussing which adverbials are best to use in a sentence.

Kyle: occasionally

Azra: in large groups

Dolphins are known to follow ships far out at sea.

Which adverbial fits best at the start and which fits best within the sentence?

GD

A

2b. The children are discussing which adverbials are best to use in a sentence.

Josh: without any warning

Jill: in a strange turn of events

The egg started to move and cracked open.

Which adverbial fits best at the start and which fits best within the sentence?

GD

A

3a. William thinks that the words *'to the local homeless shelter'* can be moved to the beginning of the sentence and used as a fronted adverbial.

After her thirtieth birthday party, Charlotte took any leftover food to the local homeless shelter.

Is he correct? Explain your answer.

GD

R

3b. Carrie thinks that the words 'the next door neighbours' can be moved to the beginning of the sentence and used as an adverbial.

Bravely, the new residents asked the next door neighbours to mind their own business from now on.

Is he correct? Explain your answer.

GD

R

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Recognising Parenthesis

1a. Name the punctuation used for parenthesis in the following sentences.

A. My neighbour, who is ninety-two years old, was a soldier during the War.

B. My cousins – who live in Edinburgh – are visiting next weekend.

D VF

2a. Circle the punctuation used for parenthesis in the sentence below.

The children – who were going to the zoo on a school trip – had to be in school for half past eight.

D VF

3a. Underline the parenthesis in the sentence below.

The trim-trail, which had been recently installed in our playground, was enjoyed by all the children.

D VF

4a. True or false? Commas are used correctly for parenthesis in the sentences below.

	T	F
A. I went to the museum (with my dad) at the weekend.		
B. My brother, who is three years older than me, has just left college.		

D VF

Recognising Parenthesis

1b. Name the punctuation used for parenthesis in the following sentences.

A. Dinosaurs (which are now extinct) lived millions of years ago.

B. The park, which has a petting farm, is open to the public everyday.

D VF

2b. Circle the punctuation used for parenthesis in the sentence below.

The spotty dog, which lives at the end of our street, chases after the postman.

D VF

3b. Underline the parenthesis in the sentence below.

The alien – which was green with yellow eyes – had three heads.

D VF

4b. True or false? Commas are used correctly for parenthesis in the sentences below.

	T	F
A. The football team, who had just lost a game, were downcast.		
B. Last week, I went to my friend's house for a sleepover.		

D VF

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Recognising Parenthesis

1a. Which of the following sentences use correct punctuation to show parenthesis?

A. Gabriel, who had been off ill for a few days, returned to school on Monday.

B. Gabriel who had been off ill for a few days returned to school on Monday.

C. Gabriel, who had been off ill for a few days returned to school on Monday.

D A

2a. Hafsa and Cian are using commas to show parenthesis. Who has used punctuation correctly? Explain how you know.

Hafsa

The rain which had been falling heavily all day, finally stopped.

Cian

The rain, which had been falling heavily all day, finally stopped.

D R

3a. Which sentence does not use punctuation for parenthesis? Tick one.

A. The ferry – which was due to set sail at noon – was delayed by two hours. ☐

B. The large, blue ferry finally set off from the port of Dover. ☐

Explain how you know.

D R

Recognising Parenthesis

1b. Which of the following sentences use correct punctuation to show parenthesis?

A. Wednesday's football match was cancelled.

B. The football match, due to take place on Wednesday, was cancelled.

C. On Wednesday, the football match was cancelled.

D A

2b. Sean and Chuan are using dashes to show parenthesis. Who has used punctuation correctly? Explain how you know.

Sean

The sun – which had been beating down all day – began to set.

Chuan

The sun – which had been beating down all day began to set.

D R

3b. Which sentence does not use punctuation for parenthesis? Tick one.

A. The sleek, red sports car was broken into late on Monday night. ☐

B. The car (which had a smashed windscreen) had been broken into on Monday night. ☐

Explain how you know.

D R

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Recognising Parenthesis

1a. Name the punctuation used for parenthesis in the following sentences.

A. The passenger smiled through gritted teeth and said nothing (she wasn't very happy about the plane's delay).

B. The Amazon rainforest – which is in Brazil – is the world's largest tropical rainforest and covers an area of over 5 million square kilometres.

E VF

2a. Circle the punctuation used for parenthesis in the sentence below.

The old decrepit castle, which sat on top of the hill, had been abandoned for hundreds of years and nobody dared to enter it.

E VF

3a. Underline the parenthesis in the sentence below.

The vegetable patch – which sat in the allotment – was looked after by my grandad and I used to help him with it during the summer holidays.

E VF

4a. True or false? Commas are used correctly for parenthesis in the sentences below

	T	F
A. I went to the cinema to see Trolls with my dad, and we had a giant bucket of popcorn.		
B. My dad, who is seventy, signed up to take part in a marathon because he loves running.		

E VF

Recognising Parenthesis

1b. Name the punctuation used for parenthesis in the following sentences.

A. The sea appeared to be calm and still when viewed from the beach (underneath however there was a strong current).

B. The baby giraffe, which had just been born, struggled to stand on his weak spindly legs and had to be helped by his mother.

E VF

2b. Circle the punctuation used for parenthesis in the sentence below.

The old brown box, which had been sat in the corner of the attic for many years, was covered with dust and cobwebs but the key was surprisingly clean.

E VF

3b. Underline the parenthesis in the sentence below.

The elegant ballerina – who was about to star in her own stage show – had been training for many years and now her dream had come true.

E VF

4b. True or false? Commas are used correctly for parenthesis in the sentences below

	T	F
A. My brother likes to travel and is currently in Madagascar, an island south east of Africa.		
B. We will be visiting my cousins in London, and we will see the Christmas lights.		

E VF

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Recognising Parenthesis

1a. Which of the following sentences use correct punctuation to show parenthesis?

A. The sofa bed in the corner of my bedroom is used – when my friends stay – and when granny comes to visit

B. The sofa bed – in the corner of my bedroom is used when my friends stay and – when granny comes to visit.

C. The sofa bed – in the corner of my bedroom – is used when my friends stay and when granny comes to visit.

E

A

Recognising Parenthesis

1b. Which of the following sentences use correct punctuation to show parenthesis?

A. The school fayre, which takes place on Sunday, has a range of different stalls though the tombola is the best.

B. The school fayre, is on Sunday, and there will a range of different stalls although the tombola is the best.

C. The school fayre (which is an annual event) has a range of different stalls and the tombola is the best.

E

A

2a. Hannah and Sean are using commas to show parenthesis. Who has used punctuation correctly? Explain how you know.

Hannah

She was afraid of heights, but she faced her fears and attempted the high ropes in her gymnastics lesson.

Sean

She attempted the high ropes, even though she was afraid of heights, and faced her fears.

E

R

2b. Steph and Gabriel are using commas to show parenthesis. Who has used punctuation correctly? Explain how you know.

Steph

The children had to stay inside at breaktime, because it was a snowy day and they didn't all have coats.

Gabriel

It was a snowy day, which meant that the children had to stay inside at breaktime, and the school closed early.

E

R

3a. Which sentence does not use punctuation for parenthesis? Tick one.

A. Our class went on a school trip to Chester Zoo as part of our Science topic, and I bought a toy tiger for my little sister. ☐

B. Our class went on a trip to Chester Zoo last week, which was linked to our Science topic. ☐

Explain how you know.

E

R

3b. Which sentence does not use punctuation for parenthesis? Tick one.

A. It was my mum's birthday so we went to see a show at the Opera House – which was amazing. ☐

B. We went to see an amazing show at the Opera House, because it was my mum's birthday. ☐

Explain how you know.

E

R

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Recognising Parenthesis

1a. Name the punctuation used for parenthesis in the following sentences.

A. The long, dark, winding path (which seemed to go on forever) finally led us to our destination where we froze in fear.

B. During the weekend, the swimming team – who had been training all week – prepared themselves for the annual gala as they wanted to win.

GD VF

2a. Circle the punctuation used for parenthesis in the sentence below.

As morning came, the damage from the storm, which had been causing havoc throughout the night, could be seen clearly across the village and some people were unable to open their doors.

GD VF

3a. Underline the parenthesis in the sentence below.

As the misty, grey fog cleared from the sky, the spectacular views of the city could now be seen, which made the climb worthwhile.

GD VF

4a. True or false? Commas are used correctly for parenthesis in the sentences below.

	T	F
A. The triathlon, which consists of cycling, swimming and running, takes place today and starts at twelve o'clock sharp.		
B. Early on Sunday morning, I will be attending a choir performance in church and I am really looking forward to it.		

GD VF

Recognising Parenthesis

1b. Name the punctuation used for parenthesis in the following sentences.

A. Once we had decided where we wanted to go, my friend – who always organises events – booked the tickets.

B. Much to the annoyance of the passengers, the train (which was heading to Glasgow) had come to a stop on the tracks because a fault had been detected.

GD VF

2b. Circle the punctuation used for parenthesis in the sentence below.

As the fog finally cleared, the aeroplane – which had been grounded for over three hours – was given the signal to prepare for take off and the passengers sighed with relief.

GD VF

3b. Underline the parenthesis in the sentence below.

As we sat around the campfire with the family, my brother – who is a great musician – started to play a soft tune on his guitar and we all began to sing along.

GD VF

4b. True or false? Commas are used correctly for parenthesis in the sentences below.

	T	F
A. This evening, the concert begins at seven when the community choir will perform directly after the orchestra, who are opening the show.		
B. Although it was snowing, the children braved the cold and started to build a snowman.		

GD VF

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Recognising Parenthesis

1a. Which of the following sentences use punctuation to show parenthesis?

A. As the sun began to set over the campsite, my dad – who was ready to make dinner – started to build a fire

B. My dad, who had built a fire, started to make dinner as the sun began to set over the campsite.

C. The sun began to set over the campsite, so my dad built a fire then started to make the dinner.

GD

A

Recognising Parenthesis

1b. Which of the following sentences use punctuation to show parenthesis?

A. Every Wednesday, my friends Hafsa, Isabel and Hannah come for dinner before we go to gymnastics club.

B. Before we go to gymnastics club – which takes place on Wednesdays – Hafsa, Isabel and Hannah come for dinner.

C. Hafsa, Isabel and Hannah come for dinner before we go to gymnastics, which takes place on Wednesdays.

GD

A

2a. Alice and Johnny are using commas to show parenthesis. Who has used punctuation correctly? Explain how you know.

Alice

My mum, dad and sister came to support me at the netball game, which was the last game of the season, and we won!

Johnny

For the last game of the season, my mum, dad and sister came to support me and we won the match in the last minute.

GD

R

2b. Jake and Ben are using commas to show parenthesis. Who has used punctuation correctly? Explain how you know.

Jake

Although they weren't going on holiday until Saturday, they decided to pack early so that they were ready.

Ben

They decided to pack their suitcase and leave for the airport early – they did not want to be late!

GD

R

3a. Which sentence does not use punctuation for parenthesis? Tick one.

A. Cian, Kelly and Lucy love playing sports and are on many teams, which is why they are busy on every day of the week. ☐

B. Cian, Kelly and Lucy play for many school teams because they love to play different sports. ☐

GD

Explain how you know.

R

3b. Which sentence does not use punctuation for parenthesis? Tick one.

A. After the football game, we all went to Pizza Planet to celebrate our win – which is our new post-match tradition. ☐

B. Recently, we have started a new post-match tradition of going to Pizza Planet after every football match. ☐

GD

Explain how you know.

R

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Summer

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Summer Sunset – Follow-Up Work

1. Where in the world could this be? What clues are there to suggest this?

2. Think of three words to describe the landscape and environment of this scene?

3. Why do you think the houses are mainly painted white?

4. What time of day do you think this is? What clues are there to suggest this?

5. How many people live here? Why do you think this?

6. How old do you think this village is? What makes you think this?

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Summer Sunset – Vocabulary

Write the definitions for each of these words.

Mediterranean	
coastal	
dusk	
environment	
twilight	
antiquated	
temperate	
sparsity	
climate	
luminescence	
inhabitants	
traditional	

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Sorting Advertisement Vocabulary

Write the vocabulary in the correct column in the table.

20% off! Whilst stocks last.

The Moon orbits the Earth.

Bang! The firework exploded…

Do you want bright, white teeth?

Cut along the dotted line.

I am writing to request…

For a limited time only!

Snow closes local schools!

This roaring, red, racing car is the must have toy of the year.

"What do you want for tea?" asked Mum.

Cool trainers, designed for cool kids!

The tangy, orange flavour will tickle your taste buds.

Many thanks for your reply…

Smart people choose smart prices!

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Dinosaurs

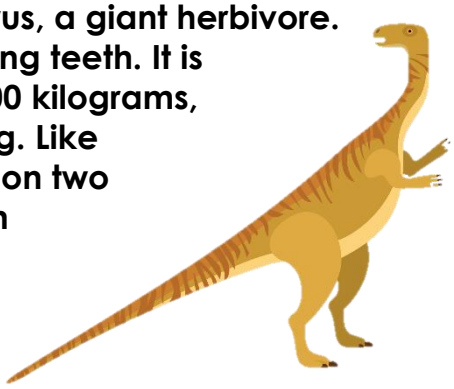
Hundreds of millions of years ago, in what is known as the Mesozoic Era, dinosaurs walked the earth. Some were gentle giants; others, ferocious beasts. The Mesozoic Era is divided into three periods: the Triassic period, Jurassic period, and Cretaceous period.

Triassic Period (248 – 205 million years ago)

245 million years ago, the global temperature is believed to have averaged around 10 – 15 ˚C (50 – 60 ˚F). Towards the end of the Triassic period, evidence suggests that planet Earth became drier and hotter. Deserts covered most of the land, while forests of tree ferns flourished in the Northern hemisphere and conifers near the equator.

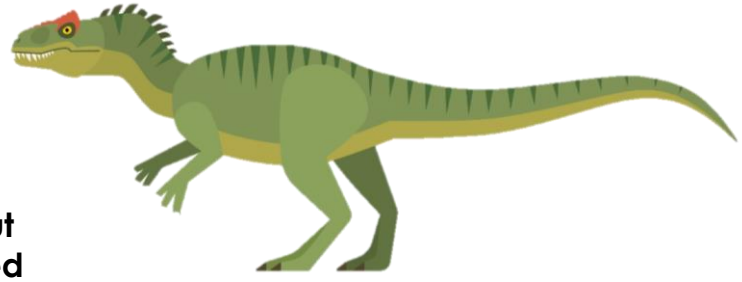
One of the earliest known dinosaurs was the Coelophysis, a carnivorous, bipedal predator who emerged around 200 million years ago. The first specimen was found in 1881 in New Mexico, USA. The Coelophysis is estimated to have weighed about 15 – 20kg, and measured approximately 3 metres in length. It was a fast and agile dinosaur with exceptional depth perception, and probably hunted small, lizard-like prey.

Towards the end of the Triassic period lived the Plateosaurus, a giant herbivore. It had a long, flexible neck, and flat but sharp plant crushing teeth. It is believed the Plateosaurus weighed between 600 and 4,000 kilograms, and grew to be anywhere between 4.8 and 10 metres long. Like the Coelophysis, the Plateosaurus was bipedal and stood on two legs; unlike the Coelophysis, it was strong and stocky, with powerful arms and hind legs.



Jurassic Period (205 – 142 million years ago)

During the Jurassic period, rainfall increased and the oceans rose. Vegetation became lush and plentiful, and giant forests and ferns replaced most of the desert areas that covered Earth's surface.



The Allosaurus reigned at the top of the food chain during the Jurassic period. It was a large bipedal predator; its massive jaw armed with dozens of saw-like serrated teeth. Averaging about 9 metres long and weighing an estimated 2300 kilograms, the Allosaurus had large, muscular hind legs, small arms, and a long, powerful tail. Some palaeontologists believe it was a social creature who hunted in packs; others believe it was extremely aggressive and kept to itself. Nevertheless, the Allosaurus was ferocious, and likely hunted large herbivores or even other carnivores.

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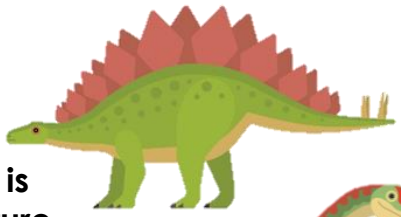
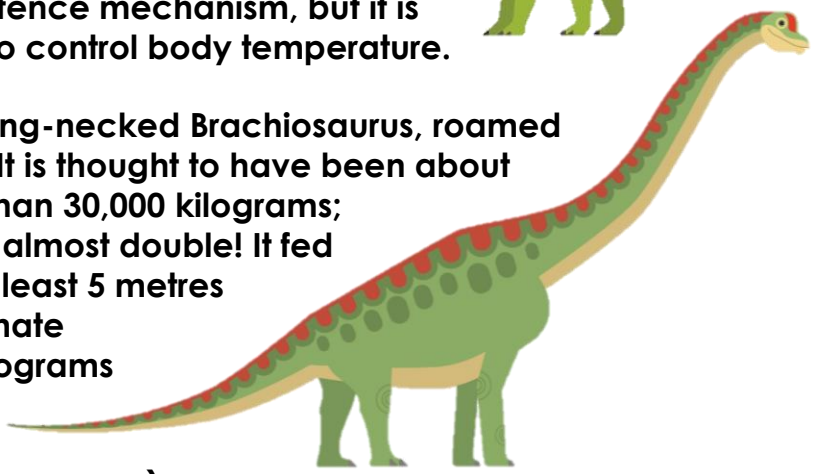
About the size of a modern day bus, the Stegosaurus was a herbivore with short forelimbs which kept its small head close to the ground and its spiked tail high in the air. The Stegosaurus' trademark plates which ran along their back might have been used as a defence mechanism, but it is believed their primary function was to control body temperature.



Another well known herbivore, the long-necked Brachiosaurus, roamed the earth during the Jurassic period. It is thought to have been about 26 metres long, and weighed more than 30,000 kilograms; some specimens suggest it weighed almost double! It fed mostly on foliage, or plant matter, at least 5 metres off the ground. Palaeontologists estimate the Brachiosaurus ate around 250 kilograms of plant matter daily.



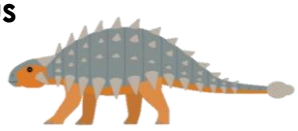
Cretaceous Period (142 – 65 million years ago)

Around the middle of the Cretaceous period, the Earth began to cool. The giant forests of the Jurassic period started to decline and different vegetation, including flowering plants, began to develop.

The Cretaceous period was ruled by none other than the 'Tyrant Lizard King': the Tyrannosaurus rex. Its skull measured 1.5 metres, and was balanced by a long, heavy tail. Its jaw was filled with massive serrated teeth that delivered a devastatingly strong bite. Likely an apex predator, the Tyrannosaurus rex preyed on herbivores and other carnivores alike.

Another well known carnivore from the Cretaceous period is the Velociraptor. Weighing about 15 kilograms and averaging about 1.8m long (not much bigger than a domestic turkey), the Velociraptor were bipedal, feathered dinosaurs with a large sickle shaped claw on each hind foot, which they used to take down prey.

Looking something like a prehistoric tank, the herbivore Ankylosaurus was covered in armoured plates and had a large club on the end of its tail to protect it from predators. While it was only about 1.7 metres high, it weighed about 6000 kilograms – it had short, strong legs to carry all that weight. Fellow herbivore, the Triceratops, had armour which makes it one of the most recognisable of all the dinosaurs; its trademark bony frill and three facial horns have traditionally been viewed as defensive weapons against predators.



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Extinction

66 million years ago, after approximately 163 million years of existence, dinosaurs disappeared. Most experts believe a giant asteroid crashed into the Earth and wiped them all out. So how do we know so much about them?

Dinosaur Remains

Palaeontologists from all over the world study fossils to learn about these great creatures. Fossils are preserved remains or traces of animals and plants, usually found in rock. There are many different methods of fossilisation. One type of fossil is formed if a dinosaur died near water. Its body was eventually covered in layers of sediment like ash, mud or sand. The soft parts of the body would rot away, leaving the hard bones of the skeleton behind. Over time, layers of sediment would continue to build up and become extremely heavy. The layers around the skeleton were under so much pressure that they are compacted and become rock. Eventually, minerals found in the groundwater seeped in to dissolve and replace the bones in the skeleton, and these minerals hardened to form a fossil.

Palaeontologists excavate a fossil by removing the rock and earth carefully from around the specimen. During the excavation, the fossil is repeatedly photographed and labelled. For small or fragile fossils, special hand tools are used, including trowels, brushes, and tiny picks (somewhat like dental tools). Bigger fossils might require larger tools, such as shovels or jack-hammers. However a fossil is excavated, once it has been dug out of the ground, it is carefully packed up and moved to the lab. There, it will be cleaned, documented, and studied carefully by specialised scientists.

Some fossils formed in amber give us clues about insects, spiders, and plants from millions of years ago. Amber is formed when lumps of a sticky syrup-like resin seeps out of trees and traps small creatures. Eventually, this hardened resin is buried in sediment and fossilised. Amber is popular for its beautiful colouring, and is often used in jewellery.

Palaeontologists also study trace fossils, which show the marks left behind by a dinosaur while it was alive, including tracks, burrows, and droppings. These fossils give insight into the behaviour of dinosaurs. Studying fossils allows us to walk in the footsteps of dinosaurs millions of years after they died.

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Dinosaurs – Comprehension

Section A

Which is not a period of the Mesozoic Era?

Jurassic		Cretaceous		Triassic		Prehistoric	

Which is considered to be one of the earliest known dinosaurs?

Stegosaurus		Coelophysis		Allosaurus		Ankylosaurus	

Which dinosaur appeared in the Jurassic period?

Triceratops		Allosaurus		Plateosaurus		T-Rex	

According to their diets, which dinosaur does not belong in this group?

Ankylosaurus		Velociraptor		Allosaurus		Coelophysis	

Which of these dinosaurs had the biggest skull?

Coelophysis		Stegosaurus		T-Rex		Velociraptor	

Number the dinosaurs in the order they appeared in history.

Stegosaurus		Coelophysis		Plateosaurus		T-Rex	

Section B

Use the information in the text to decide whether these statements are true or false.

	True	False
The Tyrannosaurus rex and the Brachiosaurus roamed the Earth at the same time.		
An apex predator, like the Tyrannosaurus rex, is a predator at the top of its food chain.		
The Jurassic period of the Mesozoic Era was more than 250 million years ago.		
By the end of the Triassic period, rainfall increased and the oceans rose.		
The Triceratops is renowned for its trademark frill and three facial horns.		
Experts believe a giant asteroid caused the extinction of the dinosaurs.		

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Section C

Choose one dinosaur from each period to complete this fact chart.

Name	Period	Length	Weight	Diet	Notable feature

Section D

Use a dictionary to find the meaning of the following words from the text.

apex predator	
bipedal	
conifer	
excavate	
foliage	
forelimbs	
palaeontology	
serrated	

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