

MATHS TEACHING RESOURCES
UPPER KEY STAGE 2



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Upper Key Stage 2 Teaching Resources

AT THE TRAIN STATION

Subjects: Maths **Topics:** Time **Ages:** UKS2 (Y5/6)

Here is a timetable for destinations from Paddington Station.
 Can you solve the questions below?

Destination	Departure Time	Arrival Time	Frequency	Special Notices
Bond Street	8:50am	9:14am	10 times per day	
Heathrow Airport	8:25am		Every 15 minutes	
Notting Hill Gate		10:41am	Every 30 minutes	
Baker Street		10:35am	Every 30 minutes	
St James's Park	9:00am		Every 12 minutes	Last train at 15.36

1. Calculate the duration of the journey from Paddington to Bond Street.
2. If the Bond Street train departs at the same minute each hour, when would the last train of the day depart? And when would it arrive at Bond Street?
3. The Heathrow Airport train takes 18 minutes. When would it arrive?
4. The last Heathrow Airport train arrives at 00.15. When did it depart Paddington?
5. Notting Hill Gate and Baker Street are on the same train route. If it takes 30 minutes to get to Baker Street, what time did it depart from Paddington?
6. How many trains per hour are there to St James's Park?
7. The journey from Paddington to St James's Park takes 32 minutes. When does the timetabled train arrive? And when would the last train arrive?

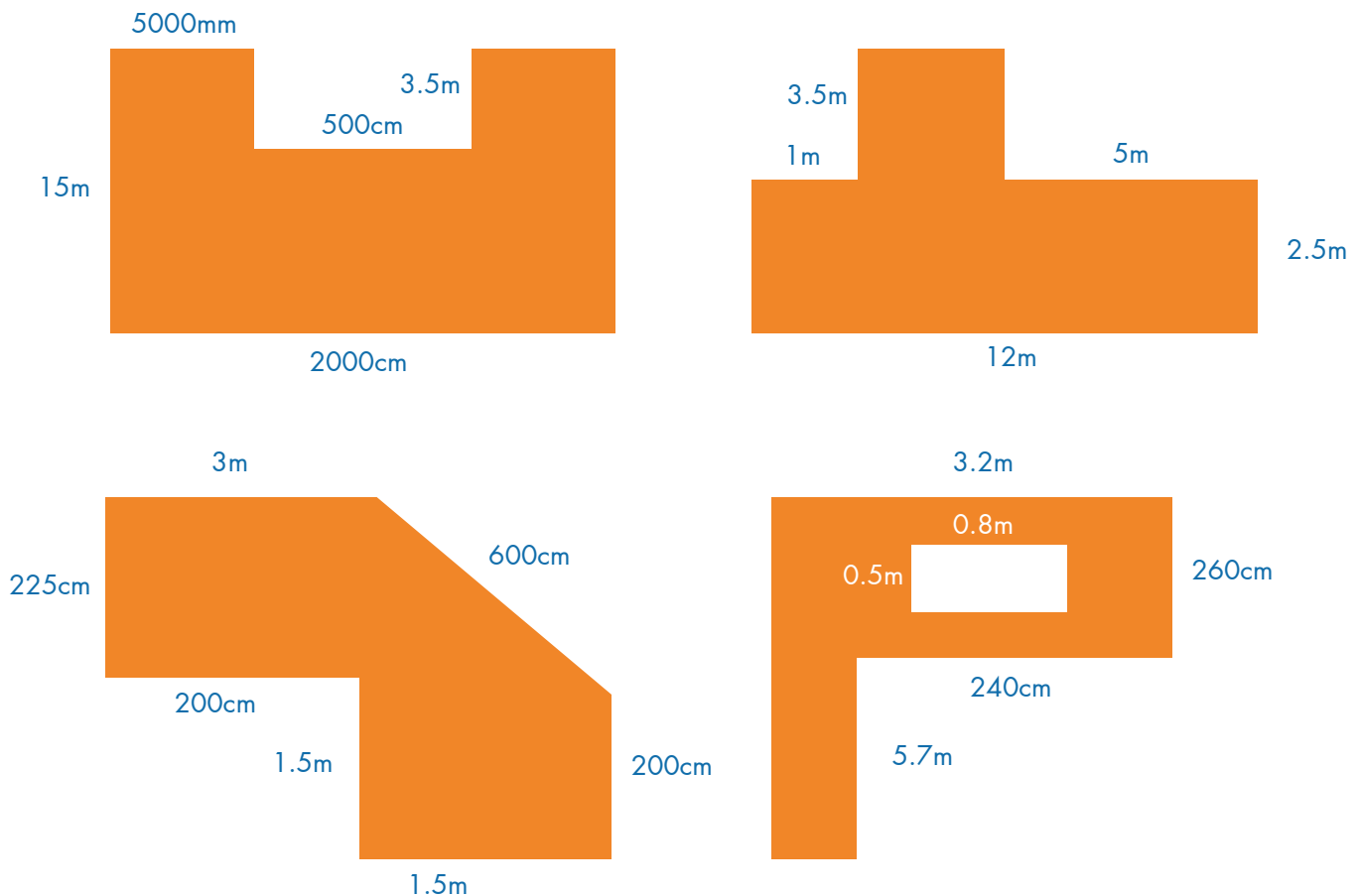
Upper Key Stage 2 Teaching Resources

DECORATING WINDSOR GARDENS

Subjects: Maths Topics: Shape Ages: UKS2 (Y5/6)

Mrs Brown has been busy stitching metres of bunting to decorate Windsor Gardens! So she doesn't waste time or material, help her to calculate how much she will need for the perimeter of these different sections of Windsor Gardens.

Drawings not to scale



Challenge: Can you also calculate the areas of each section?

DECODING AUNT LUCY'S LETTER

Subjects: Maths **Topics:** Arithmetic **Ages:** UKS2 (Y5/6)

Some of the marmalade from Paddington's sandwich has dropped on his letter from Aunt Lucy as he was reading it! Solve the calculations and write the corresponding letter for each answer to find the missing words so that Paddington can finally read his letter!

A	B	C	D	E	F	G	H	I	J	K	L	M
64	15	56	3.25	60	210	120	5.7	44	99	1.5	48	72
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2.5	150	90	75	3.6	220	1000	84	5	32	12	96	450

- 60% of 120

8^2

1.2×3

9×8

Half of 128

Double 24

16×4

50% of 6.5

$\frac{1}{5}$ of 360
- $\frac{1}{4}$ of 128

$(6 \times 4) + 20$

1% of 250

$7.75 - 4.5$

110% of 200

$\frac{3}{4}$ of 200

Double 1.8
- $3 \times (10 \times 4)$

10% of 36

$7 \times 4 \times 3$

7.5×2

$\frac{1}{12}$ of 720

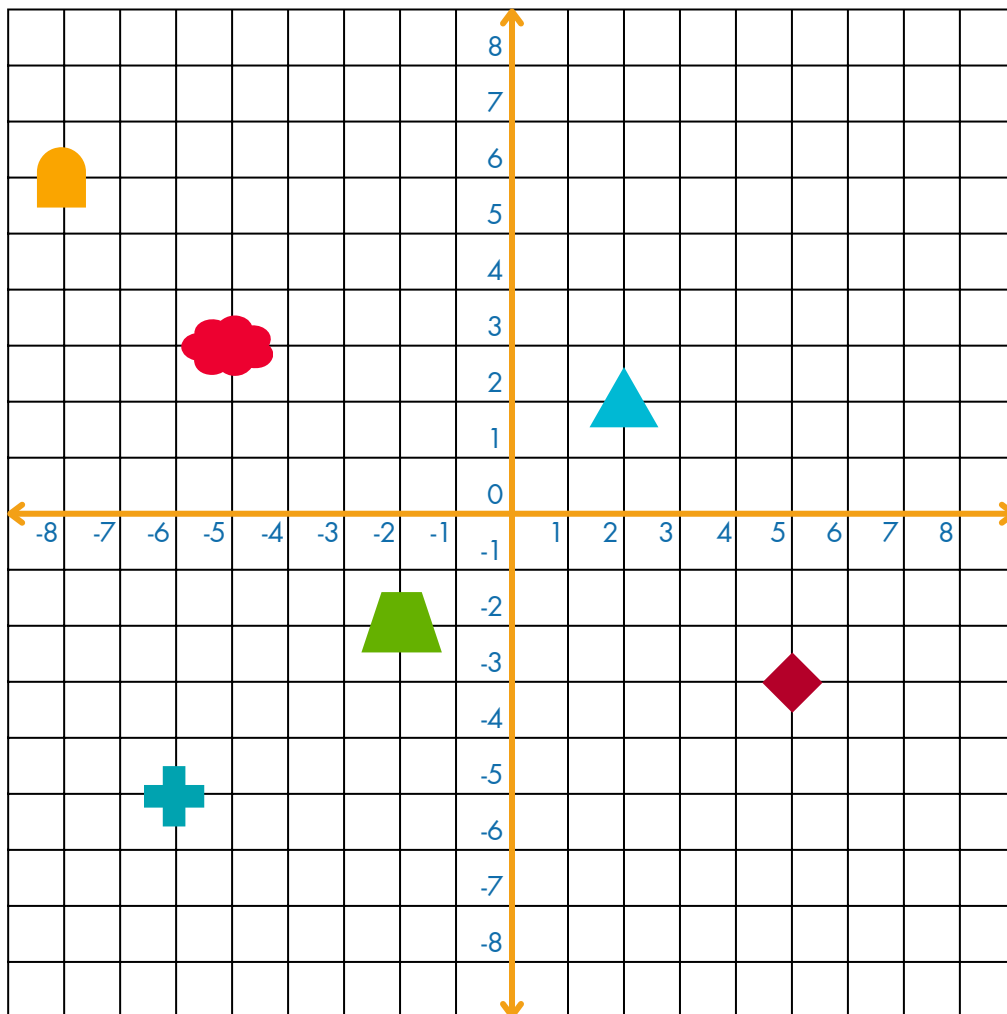
Half of 7.2







MAPPING PERU

Subjects: Maths **Topics:** Position & Direction **Ages:** UKS2 (Y5/6)

Use this map of Peru to help Paddington navigate his way around, using your knowledge of coordinates and direction.

Measure the coordinate from the centre of the object.



- | | |
|---|--|
|  = Marmalade machine |  = Source of the Amazon River |
|  = Jungle |  = Lost marmalade sandwich |
|  = Aunt Lucy's house |  = Orange trees |

Upper Key Stage 2 Teaching Resources

MAPPING PERU

1. Write the coordinates of each location.
2. Write the directions and number of boxes that Paddington would need to travel, taking the shortest route:
 - a. From the marmalade machine to the orange trees
 - b. Aunt Lucy's house to the source of the Amazon River
3. The lost marmalade sandwich has moved east by 4 and south by 2. Write its new coordinates.
4. Write the new positions of these objects if they were translated north by 4 and east by 6:
 - a. Orange trees
 - b. Source of the Amazon River

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MRS BIRD'S MARMALADE RECIPE

Subjects: Maths **Topics:** Multiplication, Division, Measure **Ages:** UKS2 (Y5/6)

Mrs Bird is making marmalade to share with everyone at the Marmalade Day Festival. Help her to scale the recipe to the quantities stated below.

Mrs Bird's Marmalade Recipe

Makes 4 x 500g jars (2 litres)

2kg of the juiciest Peruvian oranges you can find

1 kg of the sweetest caster sugar

1 super sour lemon

1. Scale the recipe to make...

- a. 8 more litres
- b. 26 jars
- c. 500 x 50g jars

2. Each jar feeds 12 hungry people.

- a. How much is a single serving?
- b. How much marmalade would you need to serve 4,800 people at Marmalade Day?