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looking down at everyday objects

Page 2: Questions

- 1 Name the objects in A, D and G.
- 2 What does a plan show?
- 3 Draw a plan of an object on your table.

Answers

- 1 A manhole cover; B chair; C table
- 2 The shape of an object looking down from straight above.
- 3 ACTIVITY

Page 3: Questions

- 1 Name the object in each photo.
- 2 Name the object in each plan.
- 3 Draw a plan of the object in each photo.
- 4 Draw plans of some objects in your classroom.

Answers

- 1 J banana; L shoe; O book; Q truck
- 2 K helicopter; M person on a bike; N jug; P lamp
- 3 ACTIVITY
- 4 ACTIVITY, e.g. desk, chair, bookcase

looking down - around the school

Page 5: Questions

- 1 Which colour on the map shows the school building?
- 2 How many roads are named on map C?
- 3 Which other places are named on the map?
- 4 Which buildings are the car parks next to?
- 5 What would you walk across to go from the Post Office to the school?
- 6 Why do you think the road around The Green is called Tuckswood Centre?

- 1 Yellow
- 2 9
- 3 Tuckswood School and The Green
- 4 The School and the Church
- 5 The Green
- 6 It is at the centre of the Tuckswood area

looking down - the view from space

Page 6: Questions

- 1 Which are the two largest islands in the British Isles?
- 2 Name the four countries that are part of the United Kingdom.
- 3 Which part of Ireland is part of the United Kingdom?
- 4 Look at the area in photo C and map D. Look at its shape. Find it in A. Is it in Ireland or Britain?
- 5 Look at the area in photo E and map F. Look at its shape. Find it in B. Which country is it in?
- 6 Which country is the area in G and H in?
- 7 In which country of the British Isles do you live?

Answers

- 1 Britain and Ireland
- 2 Scotland, England, Wales and Northern Ireland
- 3 Northern Ireland
- 4 Ireland
- 5 England
- 6 Scotland
- 7 Scotland, England, Wales or Northern Ireland

Page 7: Questions

- 1 What colour is the sea in I and K?
- 2 Which colour shows the land in J?
- 3 Draw the shape of the largest island in Europe.
- 4 Draw the shape of two more islands you can see in Europe.
- 5 Find Europe in K. Name another large area of land you can see.
- 6 Look at a globe and find out which parts of the Earth you cannot see in **K**.

- 1 Dark blue
- 2 Orange
- 3 ACTIVITY (Britain)
- 4 ACTIVITY
- 5 Asia or Africa
- 6 South America, Oceania, Antarctica

what is a plan?

Page 9: Questions

- 1 How many seats does plan C show?
- 2 Which colour in the key shows carpets?
- 3 Name three objects next to the largest carpet.
- 4 Name three objects you pass on your right going from the shop to the smallest carpet.

Answers

- 1 28
- 2 Red
- 3 Shelves, Cupboard, Drawer unit (and Stand, Trolley)
- 4 Shop unit, Seats, Tables

looking at plans – a school

Page 10: Questions

- 1 Does the school have a car park? What is your evidence?
- 2 Draw or trace the shape of the school building. Colour it in. Draw round it the paths you can see.
- 3 How many corners has the shape of the school building?

Answers

- 1 There are cars in the school grounds
- 2 ACTIVITY
- 3 50

Page 11: Questions

- 1 How were the classrooms shown on the base plan?
- 2 Which colour shows the hall on plan D?
- 3 What does yellow show on plan D?
- 4 Which rooms are next to the headteacher's room?
- 5 How many rooms are next to the hall?
- 6 Which two rooms are furthest apart in the main building?
- 7 Which rooms do you pass on your right going from classroom 2 to classroom 4?
- 8 Why do you think the classrooms are numbered on the plans?

- 1 They were labelled "Class 1", "Class 2" etc.
- 2 Peach
- 3 Classrooms
- 4 Secretary's room and Staffroom
- 5 3 (2 classrooms and a cloakroom)
- 6 Classroom 8 and the Boiler room
- 7 Cloakroom, Classroom 3, Secretary's room, Kitchen, Staffroom, Cloakroom
- 8 So that you can tell them apart



looking at plans - school grounds

Page 12: Questions

- 1 Which photo was taken looking straight down at the school?
- 2 Does photo C show the front or the back of the main building?
- 3 What can you see in photo D?
- 4 Was photo D taken looking towards the main building or away from it?
- 5 Which parts of the school are named in photo E?
- 6 Which colour shows the playing field in plan F?
- 7 Find the car park. Is it at the front or the back of the school?
- 8 Use plan F to help you. Which classrooms can you see in photo C?

Answers

- 1 E
- 2 The back
- 3 Climbing frame
- 4 Looking away from it
- 5 Car park, Pre-school, Main building, Climbing frame, Playground, Playing field
- 6 Bright green
- 7 The front
- 8 (6), 7, 1 and 8

maps of a local area - the school locality

Page 14: Questions

- 1 Look at photo B. Find it in A. Is it to the left or right of St. Alban's School?
- 2 What is the name of the school next to St. Alban's School?
- 3 Look at photo C. Find the block of flats in A. Draw the shape of the flats that you would see looking straight down from above.
- 4 What does grey show on map **G**?
- 5 Name two roads going into the feature in **D**.
- 6 In box E you can see four features from map G. Say what they are and which part of the local area they are in.
- 7 If you walked from the roundabout towards Monkswick Road, what would you pass on your right?

- 1 Right
- 2 Burnt Mill School
- 3 ACTIVITY (it is on the right-hand side)
- 4 Playground or Open space
- 5 Mandela Avenue, Howard Way
- a: Garages and Sheds, Great Plumtree;
 b: Homes, Halling Hill; c: Factories and
 Offices, The Stow; d: Trees, Altham Grove
- 7 A Church and St. Alban's School



Page 16: Questions

- 1 Find the flats on map A.
 Which road are the flats next to?
- 2 Along which road are most shops?
- 3 What other places did Emma draw beside the shops?
- 4 Why would it help someone in the flats to know where the chemist is?
- 5 How many shops does Emma show on map A?

Answers

- 1 Ladder Hill
- 2 High Street
- 3 Houses
- 4 So they know where to go to get their medicine
- 5 8 (including Co-op)

Page 17: Questions

- Name five shops on map C which are not on map A.
- 2 Which roads would you walk along to go from the flats to the baker?
- 3 List some other changes Emma made to her map when she redrew it.

4 Draw a map to show the way to a place near your home, so that someone else can use it to get there.

- 1 Graphic shop, hairdresser (two), butcher, delicatessen, TV shop, fish and chip shop
- 2 Ladder Hill, Station Road, Bell Lane, High Street
- 3 Added some road names (Farm Close Road, Station Road, Hathaways, Hollaway Road); extended the map down to Church Road; added more houses, offices and shops (e.g. Chinese take-aways, telephone exchange); made it neater
- 4 ACTIVITY, e.g. to the shops, church, park or your school



Page 18: Questions

- 1 Which farm is highest up the side of the valley?
- 2 Whose farm is in the bottom of the valley?
- 3 Whose farm is by the large tree on the cliff?
- 4 Which two farms are on the same side of the stream?
- 5 Whose farm has an orchard of apple trees?

Answers

- 1 Farmer Bean's
- 2 Farmer Bunce
- 3 Farmer Boggis
- 4 Farmer Boggis' and Farmer Bunce's
- 5 Farmer Bean

Page 19: Questions

- 1 Which farmer does Mr. Fox live nearest to?
- Which colour shows fields animals can graze in? Use picture A to help you.
- 3 Find Farmer Bean's turkey houses on map B. Are they in front of or behind his farm house?
- 4 Why can you not see Farmer Bean's turkey houses in picture A?
- 5 Make a key for the map to show what the pictures and colours mean.

- 1 Farmer Boggis
- 2 Light green
- 3 Behind
- 4 They are hidden by the farm house
- 5 ACTIVITY

all sorts of maps

Page 20: Questions

- 1 Which map would help someone driving a car?
- 2 Map B shows a shopping centre.
 What would be named on a shopping centre map?
- 3 Why would an advert like C include a map?
- 4 You see map A from your car. Would you turn left or right at the roundabout to go to Dingwall?
- 5 Use map D to write a report for the newspaper about the car break-ins.

Answers



- 2 Names and types of shops, toilets, lifts and escalators
- 3 To show you how to find the shop
- 4 Right
- 5 ACTIVITY

Page 21: Questions

- 1 Look at map E. Name two places you could visit near the railway station.
- 2 Look at map F. Name two places you could visit to see castles.
- 3 Maps E and F have no key. Make a key for one of the postcard maps.
- 4 Why would you look for a map like that in **G**?
- 5 Why is it helpful to be able to use a map like H on your mobile phone?
- 6 Make a collection of all sorts of maps. See how many types of maps you can find. Obtain some of your maps using the internet.

- Micklegate Bar, Railway Museum, Guildhall
- 2 Leyburn, Helmsley, Sheriff Hutton
- 3 ACTIVITY
- 4 If you wanted to find out where some Scottish towns and cities are
- 5 So you can find the way from one place to another while you travel, without needing to carry an atlas
- 6 ACTIVITY

north, east, south and west

Page 22: Questions

- 1 Write what the letters N, E, S and W stand for.
- 2 What could you play on north of the pond?
- 3 Look at C. Which way is it from the pond?
- 4 Is D east or west of the pond?
- 5 Name the direction from the swings to the pond.
- 6 Make up a saying to help you remember the order of north, east, south and west using the first letters N, E, S and W.

Answers

- 1 North, East, South, West
- 2 Slide or Hoops
- 3 South
- 4 East
- 5 East
- 6 ACTIVITY, e.g. "Naughty Elephants Squirt Water"

Page 23: Questions

- 1 Make a key for the map.
- 2 Which place on the island is named after a compass direction?
- 3 Which way is Spye glass Hill from the swamp?
- 4 Name the hill in the north of the island.
- 5 Which direction is it from the swamp to the spring?
- 6 If you landed at the end of North Inlet, which way would you go to find the treasure?
- 7 Which parts of the island do not have sandy beaches?

- 1 ACTIVITY
- 2 North Inlet
- 3 West
- 4 Foremast Hill
- 5 North or Northeast
- 6 South
- 7 The north coast near Foremast Hill; Haulbowline Head; Foulground



Page 24: Questions

- 1 Which compass direction is it from North Gate to South Gate?
- 2 Is the lake in the northwest or the southwest of the park?
- 3 Which compass direction are the tennis courts from the fountain?
- 4 Follow these directions to find where to go:
 You are in the playground. Go north
 and turn west towards the football
 pitch. Then turn northwest. Turn
 southwest at the next turning. Then
 turn north.

Which gate are you walking towards?

5 Say which way to go, using compass directions and turns, from the cafe to the toilets.

Answers



- 1 South
- 2 Southwest
- 3 Northeast
- 4 North Gate

 5 Go west from the cafe entrance and turn south towards the fountain.
 Continue south from fountain. Turn east before South Gate. Then turn north.



Page 25: Questions

- 1 Which school is southwest of Altham Grove?
- Which area is southeast of St. Alban's School?
- 3 Does Mandela Avenue go north-south or east-west?
- 4 Which compass direction is it from Monkswick Road to The Stow?
- 5 Name the building northwest of the roundabout.
- 6 What is the name of the area southwest of Great Plumtree?
- 7 What are the buildings in the northeast of the area used for?
- 8 Find out where you have gone by following these instructions:

Come out of St. Alban's School onto Mandela Avenue.

Turn east.

At the first road turn north.

Go north.

Turn east at the first road, then south at the next road.

Which area of the neighbourhood are you in? Name all of the roads you have walked along.

9 Make up some journeys of your own.
Use compass directions to say which way to go.

Answers

- 1 Burnt Mill School
- 2 The Stow
- 3 East-west
- 4 East
- 5 Church
- 6 Halling Hill
- 7 Homes, Garages and Sheds
- 8 Great Plumtree. Mandela Avenue, Howard Way, Mowbray Road

9 ACTIVITY



Page 26: Questions

1 Using plan A name a feature in each of these grid squares:

D3

A1

C2

2 Using plan A name a grid square which contains one of these:

carpet

sink

bin

Answers

D3: Window, radiator, tables, seats, shelves, box, stool, whiteboard, floor;
 A1: Door, cupboards, trolley, stand, floor;
 C2: Tables, seats, trolley, stand, floor.

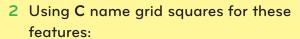
2 Carpet: A2, A3, D2;

Sink: B1, C1;

Bin: B1, D1

Page 27: Questions

1 Using plan C name a room in each grid square: G7 H6 F5



Classroom 1 Boiler room Hall

3 On plan D name a feature in each grid square: M11 J10 K9

4 Using D name grid squares for:

Pre-school Shops Monkswick Road

Answers

1 **G7**: Classroom 6, Classroom 7, Cloakroom;

H6: Classroom 4, Classroom 5,

Cloakroom;

F5: Classroom 2, Classroom 3, Cloakroom.

2 Classroom 1: F6 (and G6);Boiler room: H5;

Hall: G6

- 3 M11: Church, Church hall, Car park,
 Open space, Grass and Park, Trees,
 Road and Pavement, Garages and
 Sheds, Gardens, Walls and Fences;
 J10: School, Playground, Open space,
 Car park, Grass and Park, Trees, Path;
 K9: Homes, Garages and Sheds, Road
 and Pavement, Path, Gardens, Walls and
 Fences, Car park, Grass and Park, Trees.
- 4 Pre-school: L10 (and K10); Shops: N9, N10; Monkswick Road: L9 (and K9)



Page 28: Questions

- 1 In which grid square is Princes Gate?
- Which roads would you walk along from the Swimming Pool, A1, to Vicarage Wood, D1?
- 3 Follow this route on the map and write down the missing directions:

Start at the Youth Hostel in grid square A3. Go along School Lane and turn onto Mandela Avenue, to go past the Scout Hall. Turn onto Howard Way to go north. At the crossroads turn onto Netteswell Road, going west. At the end of the road you come to a Pub.

Name two other features you arrive at.

4 Write the directions for a route of your own.

Answers

- 1 B4
- 2 Mandela Avenue, Howard Way

3

southeast

left

left

left

Youth Hostel, War Memorial

4 ACTIVITY

Page 29: Questions

- Name a street that Commonfields joins on to.
- 2 Use the index to help you find these streets on map A:

Glebelands The Dashes

Name a street each one joins on to.

3 Find out whether these streets are north or south of St. Alban's School:

Netteswell Road Halling Hill

4 Make an index to name places you can visit in the area in map A. Include these places: Shops D2 Youth Hostel A3

- 1 Pittmans Field, School Lane, The Drive
- 2 Glebelands (D4): Mowbray Road;
 The Dashes (A1): Maddox Road, School
 Lane
- 3 Netteswell Road: north; Halling Hill: south
- 4 Our Lady of Fatima RC Church C3
 Pub A3
 Scout Hall B2
 Shops D2
 St Andews Church D2
 Swimming Pool A1
 The Oaks Retail Park C4
 Toilets A3
 Town Park A2, A3, B2, B3
 War Memorial A3
 Youth Hostel A3



Page 30: Questions

- 1 How long is the garden?
- 2 How wide is the garden?
- 3 How long is the flowerbed?
- 4 Which has the longest side: the glasshouse or the pond?

Answers



- 1 10 metres
- 2 6 metres
- 3 3 metres
- 4 The glasshouse

Page 31: Questions

- 1 How long and wide is the classroom?
- 2 How long and wide are the narrow tables in the classroom?
- 3 How long and wide are the three carpets?

4 How far is it in a straight line from the left hand sink to the stool in the Music Area?

- 1 10 metres long, 7 and a half metres wide
- 2 1 metre long, half a metre wide
- 3 Pencil/crayon area: 2 metres long, 1 and a quarter metres wide; Reading area: 2 metres long, 1 and three-quarter metres wide; The other (largest) carpet: 2 and a half
 - metres long, 2 metres wide
- 4 7 metres (between the nearest edges) or 7 and a half metres (centre to centre)

measuring on plans and maps

Page 32: Questions

- 1 In a straight line, how far is it from class 5's door to class 8's door?
- 2 How wide are the hall and kitchen area together?
- 3 How long and wide is each classroom?

Answers

- 1 55 metres
- 2 25 metres
- 3 10 metres long, 8 metres wide

Page 33: Questions

- 1 How long is the school building from east to west?
- 2 How long and wide is the school playground?
- 3 How long and wide are the school grounds?
- 4 How far is it along the path that goes from the pavement to the door by the headteacher's room?
- 5 What is the scale of plan D?

- 1 75 metres
- 2 54 metres long, 25 metres wide
- 3 118 metres long, 96 metres wide (not including road and pavement)
- 4 29 metres
- 5 1 centimetre on the ruler measures 8 metres of the real school grounds



shrinking the map 1

Page 34: Questions

- Find the shapes in B on map A.
 Name each one.
- 2 How far is it from the roundabout to the church in C2/C3 along Howard Way?
- 3 How long is the part of Mandela Avenue you can see across map A?
- 4 Find a grid square with six different features in it. Give its grid reference and name the features.

Answers

- 1 **a**: tree; **b**: church; **c**: shops
- 2 50 metres (to the first entrance)75 metres (to the second entrance)
- 3 500 metres (in a straight line)
- 4 ACTIVITY, e.g. C1: factories and offices, church, public buildings, homes, grass and park, trees, etc.
 NB there are likely to be more than six different features in the grid square.

Page 35: Questions

- 1 Find the Scout Hall on map C. Draw the symbol that shows it on map C.
- 2 What is the straight line distance from the church in C2 to the swimming pool in A1?
- 3 Why have all the trees around St. Alban's School not been drawn in? Compare the map with photo **F** on page 15.

- 1 ACTIVITY
- 2 660 metres (between the nearest edges)
- 3 There would not be room to show each tree clearly; some would be too small to see at this size of map

shrinking the map 2

Page 36: Questions

- 1 Find St. Alban's School on maps A and B. Draw the shape of the school on each map.
- 2 Does map B show more or less of the area around St. Alban's School than map A?
- 3 Look for the symbol that shows trees on each map. Do the maps show each tree or just groups of trees?
- 4 Find Town Park on map A. Draw the shape that shows where it is on maps B and C.
- 5 Which map tells you that the River Stort is north of Harlow?
- 6 Name and write the grid references of four places on map C which the River Stort flows past.
- 7 The symbols on map C show how the land is used, but the colour white is not shown in the key. What do you think the colour white on the map means the land is used for?

- 1 A: grid square C3; B: grid square C3; ACTIVITY
- 2 More
- 3 Groups of trees
- 4 Grid square B3; ACTIVITY
- 5 Maps B and C
- 6 Roydon (B2), Harlow (C2), Sawbridgeworth (C3), Bishop's Stortford (C4/D4). NB the river going past Hertford and Cheshunt is the River Lee.
- 7 Farmland

shrinking the map 3

Page 38: Questions

- 1 Draw how Harlow is shown on each map.
- 2 Name and give the grid squares of two towns southeast of London, on map A.
- 3 Make an index for the towns named in England and Wales on map B.

4 Farmland is shown on map B. Which colour includes farmland on map A?

Answers

- 1 ACTIVITY
- 2 Bromley, Swanley, Kingsdown, Sevenoaks, Westerham, Oxted (C1); Rochester, Chatham, Maidstone (D1); Sittingbourne, Faversham, Charing (E1)
- 3 Birmingham C3 Bournemouth C2 Brighton D2 Bristol C2 Cardiff B2 Derby C4 Harlow D3 Leicester D4 Liverpool **B4** London D2 Norwich E4 Nottingham D4 Oxford D3 Plymouth **B1** Sheffield C4 Southampton C2 Stoke-on-Trent C4 Swansea **B2**

4 White

Page 39: Questions

- 1 Which country is north of England?
- 2 Which two towns are shown on B and C?
- 3 In which direction would you sail from Wales to Northern Ireland?

- 1 Scotland
- 2 London and Cardiff
- 3 Northwest

mapping the British Isles

Page 41: Questions

- 1 Find Scotland on map A. Name two high land areas in Scotland.
- 2 Find Wales on map A. what is the name of the capital city of Wales?
- 3 Use maps G and A to work out which part of the United Kingdom is in the island of Ireland?
- 4 Name two rivers in England.

Answers

- 1 North West Highlands, Grampian Mountains, Southern Uplands
- 2 Cardiff
- 3 Northern Ireland
- 4 Tyne, Tees, Ouse, Trent, Severn, Great Ouse, Thames

British Isles - towns index

Page 43: Questions

- 1 Use the index in **B** to find the grid references for:
 - London Cardiff Edinburgh Belfast
- 2 Use the index to find where some other towns are on the map. Start with Stirling.
- 3 Is your home near or in one of the towns on the map? What is its grid reference?
- 4 Choose a map on another page, which has grid squares over it. Make an index for the map.

- 1 London: G3; Cardiff: E3; Edinburgh: E8; Belfast: D6
- 2 ACTIVITY, e.g. Stirling is in E8
- 3 ACTIVITY
- 4 ACTIVITY



Page 44: Questions

- 1 Which ocean is north of Europe?
- 2 Which countries have only one neighbour?
- 3 Which country has the most neighbours?
- 4 How many countries are there in Europe?
- 5 Name the country both France and Portugal have a border with.
- 6 Name the country which has Germany, Austria, Italy and France around it.
- 7 Find the Alps in A. Name a country on B where you could visit the Alps.
- 8 Which is the most eastern country in Europe?
- 9 Listen to the news on the radio or TV. Make a list when European countries are named. Find them on a map of Europe.

Answers

- 1 Arctic Ocean
- 2 United Kingdom, Ireland, Portugal, Denmark
- 3 Germany (9)
- 4 45 (including Russian Federation and Turkey, but not Vatican City)
- 5 Spain
- 6 Switzerland
- 7 France, Switzerland, Germany, Liechtenstein, Austria, Italy, Slovenia
- 8 Russian Federation
- 9 ACTIVITY



Page 47: Questions

- Name two continents that are joined together.
- Which continents surround the Indian Ocean?
- 3 Name a river in grid square D4.
- 4 Name and give the grid reference for a mountain peak in Europe.
- 5 Name a part of the World covered in ice.
- 6 Is Japan in the east or west of Asia?

- Europe and Asia; Africa and Asia;
 North America and South America
- 2 Africa, Asia and Oceania
- 3 Amazon
- 4 Mont Blanc, F7
- 5 Antarctica
- 6 The east

