MATHS FIELD GUIDE · GRADE 1

Say where something is

OPENING PROBLEM

Which shape is between the others?



02 Read a position from a landmark
03 Rules and worked cases
04 Give the toy clear directions
05 Use landmarks to check a move
06 Check your reasoning

ILLUSTRATED PROBLEM SHEET

Read a position from a landmark

Name the object you are comparing with before saying where something is.

1



Which shape is between the others?

The circle. There is a shape on either side.

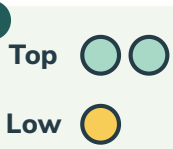
2



Where is the triangle compared with the square?

It is to the right of the square and to the left of the circle.

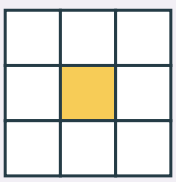
3



Which row is above the single counter?

The pair is above it. Above tells where, even if nothing touches.

4



Which tiles touch the yellow centre tile along a side?

One above, one below, one left and one right. The corner tiles touch it only at a point.

A counter on the box
on its top surface.

A counter over the box
it can be above without touching.

CHAPTER PROBLEM

A toy is below a chair. Which word describes its position?

Under the chair.

MATHS REFERENCE · GRADE 1

Say where something is

Position words tell us where something is.

Say which object you are comparing it with.

Four cases to recognise

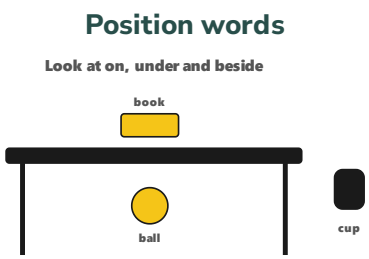
Situation	What to do and why
A ball rests on a shelf	It is above the floor and supported by the shelf.
A toy inside a box under a desk	Use the box for “inside” and the desk for “under”.
Two children face the same wall	Their left hands point to the same side of the room.
A bead sits between two others	Name both neighbours to tell someone exactly which bead you mean.

Read the model

On, under and beside

The book is on the table. The ball is under the table.

The cup is beside the table. Each word tells a different position.

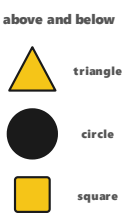


On, under and beside

Above is not always on

The triangle is above the circle without touching it.

A book on a table touches its top. “Above” and “on” do not always mean the same thing.



Shapes and position

on Touching the top of something.
under Below something.
beside Next to something.



Which shape follows?

Square. Each circle is followed by a square.

WORKED INVESTIGATION

Give the toy clear directions

Place a bear under a chair and a ball on the chair. The chair is the reference object. Naming it makes each instruction clear.

Look at this part	What it tells you
On the chair	touching its seat
Under the chair	lower than the seat
Beside the chair	next to it

Work it through

Place a block between the bear and the ball on a line. Name both objects so another person knows which gap you mean.

Catch the mistake

“Put it on the left” can confuse two people facing each other. Stand side by side and face the same way before using left and right.

Compare the cases

Use left and right

Face the screen. Hold up your left hand, then your right.

Your teacher can help you name them. Keep facing the same way while following a direction.

A position needs a reference

The ball is under the table, not under every object.

“Beside” needs a partner too: beside the chair, or beside the door.

Change one condition

Move the chair while the bear stays still. The bear may no longer be under it, even though the bear did not move.

Move and describe

Put a large block beside a book. Move it onto the book.

Its position changed. The block itself did not change.

Give a clear instruction

Tell your teacher to put a pencil under a book.

Check the result. Say which position word helped.



Where does the repeat end?

After the triangle. The missing sixth shape is a triangle.

ILLUSTRATED PROBLEM SHEET

Use landmarks to check a move

A direction tells how to move. A position tells where you end.

1



Start at the circle and move one place right. Where are you?

On the square. One more place right lands on the triangle.

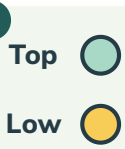
2



Start at the square. Move two places left.

Pass the circle and stop on the triangle.

3



Which dot is below the other?

The lower dot. Turn the page upright before naming top and bottom.

4



Can “the square” name just one position here?

There are two squares. Say “the left square” or “the right square” to identify it.

One move right then one left
back at the same position.

Two moves left then one right
one place left of the start.

CHAPTER PROBLEM

A lamp hangs above a desk. Must it touch the desk?

No. Above does not mean on.

QUESTION BANK · FOLD OR COVER THE RIGHT COLUMN

Check your reasoning

Try the problem	Solution and reasoning
01 Stand between a door and a desk. Turn around. Are you still between them?	Yes. The landmarks have stayed in place.
02 Can something be to the right of one object and to the left of another?	Yes. The middle object in a row of three has both relationships.
03 “Put it beside.” What information is missing?	Beside what? Name the object to place it next to.
04 A cup is above a book, held in your hand. Must the cup be on the book? Explain.	No. Above tells us where the cup is. On the book would mean it rests on the book.
05 Stand behind a chair, facing the same wall as a friend seated on it. Is your left the same side as theirs?	Yes. You face the same direction.
06 Is a toy below a table always directly under it?	No. A toy on the floor across the room is lower but outside the space underneath.
07 Which counter is inside the rectangle? 	The green one is inside the boundary. The yellow one is to its right and outside.



What belongs in the middle gap?

Triangle. Match the fifth place to the second.

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