FREE PREVIEW | DIGITAL-ONLY PRODUCT

Class 8 Maths Mastery

Find the gap. Repair only what broke. Then check whether it transfers.

A Ganita Prakash companion built around diagnosis, correction and changed-question transfer - not another worksheet bank.

WHAT THIS PREVIEW SHOWS

A route-first workflow, one Master Diagnostic pair, a real chapter route from Fractions in Disguise, one changed-context transfer task, and the tracking/support tools.

Rs 199 Founding launch price | one-time digital purchase

FULL PRODUCT

All 14 chapter families + Master Diagnostic + Mixed Transfer Lab + Progress Map + Reasoning Guide + Parent/Teacher Guide, in phone/A4/fillable formats.

Preview only. Independent learning companion; not affiliated with NCERT, CBSE or any school.

Use six steps - not the whole bundle

1

ATTEMPT

Use the Master Diagnostic pair for an uncertain chapter, or the chapter diagnostic if the difficulty is already known.

2

CHECK

Open the separate answer/route key only after the attempt. Look for the error pattern, not a total score.

3

REPAIR

Open only the smallest useful chapter route. If a prerequisite is blocking the chapter, repair that earlier gap first.

4

RETRY

Use a changed question. Do not count copied success on the same example as repair.

5

TRANSFER

Use that chapter's Mixed Transfer Lab task only after the route/retry is secure.

6

RECORD

Update the Progress Map: what broke, what route was used, whether the changed retry and transfer held.

FREE PREVIEW

08 | FRACTIONS IN DISGUISE

Two linked checks

percent of what? -> successive bases -> transfer



CHECK A

A price rises from Rs 800 to Rs 920. What is the percentage increase? Name the base you used.

Show one useful step or reason on paper / in the A4 version.

CHECK B

An item marked Rs 1000 gets a 20% discount, then 10% tax on the discounted price. Find the final price and explain why the two percentages cannot simply be netted.

Show one useful step or reason on paper / in the A4 version.

AFTER BOTH CHECKS

Do not score the pair. Open the separate Route Key and start only with the error pattern that actually appeared.

FREE PREVIEW

Start with the smallest useful route

Use linked pairs. A repeated error pattern matters more than a total score.

R1	D1-D2 fraction / decimal / percent
R2	D3-D4 percent of what?
R3	D5-D6 points vs percent change
R4	D7-D8 commercial base
R5	D9-D10 reverse / successive change
R6	D11-D12 growth / compounding
R7	D13-D14 language / comparison

IF THE ERROR IS BROAD

Repair fraction-decimal conversion and the meaning of a base before adding more percentage formulas.

R1 | CONVERT THE FORM

Move between fraction, decimal and percent

SEE + EXPLAIN

A percentage is a fraction with denominator 100. Fractions, decimals and percentages can name the same part of a whole.

METHOD

Use fraction -> decimal by division, decimal -> percent by x100, and percent -> fraction by writing over 100 then simplifying.

WORKED MODEL

3/8 = 0.375 = 37.5%.

YOUR TURN

Write 7/20 as a decimal and a percentage.

CHANGED QUESTION

18 of 24 students chose option A. What percentage is that?

08 | FRACTIONS IN DISGUISE

Changed-context task

TASK

A Rs 2400 item has two offers. Store A gives 25% off. Store B gives 10% off and then another 20% off the reduced price. Which store is cheaper? Find the effective percentage discount for Store B.

SHOW ONE USEFUL STEP

Use paper / A4 workspace. Include one reason, not only an answer.

BEFORE CHECKING THE KEY

Ask: What changed from the familiar version, and what mathematical idea stayed invariant?

FREE PREVIEW

08 | FRACTIONS IN DISGUISE

Route tracker

Base -> successive percentage -> transfer

ROUTE RANGE

R1-R7 Use the smallest route actually needed.

CURRENT STATUS

Not started / pair secure / route in repair / retry needed / transfer secure / prerequisite revisit

STARTING ROUTE / WHY

Which error pattern was visible?

CHANGED RETRY EVIDENCE

What happened on the changed question?

TRANSFER LAB

Secure / retry / not attempted

NEXT ACTION

Move on / retry / reopen route / revisit prerequisite

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KEEP THIS OPEN WHILE WORKING

Five reasoning moves

1 EXPLAIN

Name the relationship and why it fits.

2 JUSTIFY

Show why it must be true; examples alone are not proof.

3 COMPARE

Choose one deciding criterion or common form.

4 ESTIMATE

Predict the size and check reasonableness.

5 SHOW A STEP

Write the step that reveals your method.

IF YOU ARE STUCK

Show the first step that reveals your method. Then explain why that step fits.

FREE PREVIEW

Five prompts before help

1. ASK FOR THE FIRST NOTICING

What do you notice? What is given? What is the question asking?

2. ASK FOR A REPRESENTATION

Can you draw it, mark the units, write a ratio/table/expression, or name the relevant property?

3. ASK FOR ONE USEFUL STEP

What is one step you are sure about? Which number/property/base does that step use?

4. OFFER A CHOICE, NOT AN ANSWER

Would a factor structure or a square table help? Is this direct or inverse? Is that side a perpendicular height or just a slanted side?

5. POINT TO THE SMALLEST ROUTE

If the same error repeats, open only the matching chapter route. After repair, retry a changed question.

FREE PREVIEW

WHAT THE FULL PRODUCT ADDS

Do less. Diagnose better.

The preview shows only a small slice. The full system covers all 14 Class 8 chapter families and keeps the same route-first logic throughout.

- Master Diagnostic: 28 linked checks across all 14 chapter families.
- 14 chapter companions: identify the repeated error and open only the smallest useful route.
- Mixed Transfer Lab: new contexts that check whether the idea truly transfers.
- Progress Map: track route, retry evidence, transfer status and next action - no fake mastery percentage.
- Reasoning Guide + Parent/Teacher Guide: explain better and help without giving away the answer.
- Phone reading + A4 print + editable fillable versions.

FOUNDING LAUNCH PRICE: Rs 199

One-time digital purchase. Built for a learner who needs the right repair route - not more pages to complete.