

CogAT Level 8 workbook sample: text version

The CogAT Level 8 workbook sample written out in words, for screen readers and for anyone who prefers text. It has the same instructions, questions and answers as the PDF.

Every picture is described: what is drawn, where it is and how it is filled. The descriptions do not give the answers away. The answers and explanations are in their own section at the end, after all the questions.

The first page reads: Reasonwell Press · Grade 2 | Workbook sample with answers · CogAT
Grade 2 / Level 8 · Pictures, numbers and spatial thinking

About this sample

These five color pages come from our CogAT Grade 2 / Level 8 workbook. They sample five reasoning formats; they do not cover all nine subtests or reproduce an official test.

Parent instructions

Before you begin

For analogies, describe how the top pair goes together, then find the matching relationship below. For classification, find a choice that belongs with the three pictures. For number puzzles, solve the blank. For matrices and folds, trace one visual change at a time. Treat these as untimed familiarization, even where the workbook page says Timed Practice.

A small, complete practice session

1. Try one or two questions before looking at the answers.
2. Ask: What did you notice? Let the child explain first.
3. Check the worked answers at the back of this sample.
4. Revisit one idea another day. You do not need to finish today.

Find the full workbook and more original practice:

reasonwellpress.com/books/cogat/

Questions

10 questions, in the order they are printed, on 5 pages.

How the pictures are described

- The pictures in the analogy and classification questions are color drawings of everyday things. A few are printed blurred and blocky; the descriptions say so.
- “Empty” means a white shape with a black outline. “Solid” means filled in black.
- On the printed page, each question ends with a row of answer circles, labelled like the choices, for marking a choice.

TIMED PRACTICE

Workbook page 25: Form A • Picture Analogies

Q5

The picture:

Two rows of picture boxes. In each row an arrow points from the left box to the right box:

- Top row: a blue baseball cap, an arrow, then a smiling boy’s head with brown hair.

- Bottom row: a blue glove, an arrow, then a box with a question mark.

Four answer choices:

Choice 1: a child's head with brown hair, printed blurred and blocky

Choice 2: an open hand, palm facing out

Choice 3: a bare foot

Choice 4: a blue-and-white striped sock

Q6

The picture:

Two rows of picture boxes. In each row an arrow points from the left box to the right box:

- Top row: a red apple with a green leaf, an arrow, then a green tree with red apples on it.
- Bottom row: a loaf of bread, an arrow, then a box with a question mark.

Four answer choices:

Choice 1: a bundle of golden wheat stalks, tied in the middle

Choice 2: a black-and-white spotted cow

Choice 3: a green tree with red fruit, printed blurred and blocky

Choice 4: an empty woven basket with a handle

TIMED PRACTICE

Workbook page 46: Form A • Picture Classification

Q7

The picture:

Three pictures in a row:

- a school building with a red roof, a clock at the top and a door in the middle
- a straight grey road with a dashed yellow centre line, stretching into the distance
- a raised wooden garden bed with carrots and leafy vegetables growing in it

Four answer choices:

Choice 1: a hammer

Choice 2: a brown-and-white dog

Choice 3: a grey stone castle with towers, red pointed roofs and blue flags

Choice 4: a loaf of bread

Q8

The picture:

Three pictures in a row:

- a blue mug with a handle
- an open cardboard box
- a woven basket with a handle, printed blurred and blocky

Four answer choices:

Choice 1: a brown loaf of bread, printed in large blurred blocks, so its shape is hard to make out

Choice 2: a black-and-white spotted cow

Choice 3: a straight grey road with a dashed yellow centre line

Choice 4: a clear plastic water bottle with a blue cap

TIMED PRACTICE

Workbook page 85: Form A • Number Puzzles

Q7

Which number makes the equation true?

The picture:

The equation, with each number in its own box: $10 = ? + 3$. The box with the question mark is shaded pale yellow.

Four lettered choices, each a number:

Choice A: 10

Choice B: 8

Choice C: 7

Choice D: 6

Q8

Which number makes the equation true?

The picture:

The equation, with each number in its own box: $8 = ? - 5$ (eight equals question mark minus five). The box with the question mark is shaded pale yellow.

Four lettered choices, each a number:

Choice A: 14

Choice B: 8

Choice C: 12

Choice D: 13

TIMED PRACTICE

Workbook page 94: Form A • Figure Matrices

Q9

The picture:

A grid of two rows and two columns:

- Top left: an empty square.
- Top right: a solid pentagon (a five-sided shape).
- Bottom left: a solid triangle.
- Bottom right: a question mark.

Four answer choices:

Choice 1: an empty square

Choice 2: an empty triangle

Choice 3: a solid triangle

Choice 4: a solid square

Q10

The picture:

Every figure in this question is the same kind of blocky shape: a long part, a shorter part joined along one side of it, a thin slit running partway between

the two parts, and one corner of the long part cut off at a slant.

A grid of two rows and two columns:

- Top left: empty. The long part stands upright on the left, with its top left corner cut off. The shorter part sits against its lower right side, reaching about halfway up. The slit runs down from the top of the shorter part, between the two parts.
- Top right: solid. The long part stands upright on the right, with its top right corner cut off. The shorter part sits against its lower left side, reaching about halfway up. The slit runs down from the top of the shorter part, between the two parts.
- Bottom left: solid. The long part lies flat along the top, with its top right corner cut off. The shorter part hangs below it on the left. The slit runs in from the right side of the shorter part, between the two parts.
- Bottom right: a question mark.

Four answer choices:

Choice 1: solid. The long part lies flat along the top, with its top left corner cut off. The shorter part hangs below it on the right. No slit is visible.

Choice 2: empty. The long part lies flat along the bottom, with its bottom left corner cut off. The shorter part sits on top of it on the right. The slit runs in from the left side of the shorter part.

Choice 3: empty. The long part lies flat along the top, with its top left corner cut off. The shorter part hangs below it on the right. The slit runs in from the left side of the shorter part.

Choice 4: the same empty figure as choice 3, with extra marks drawn over it: a thin upright line through the middle that sticks out below the figure, and a thick dark patch where the two parts meet.

These blocky figures are easier to compare on paper. The descriptions give each figure's position, fill, cut corner and slit.

Workbook page 113: Form A • Paper Folding

Q7

The picture:

A square sheet of paper. A dashed line runs straight across the middle, from the left edge to the right edge. A curved arrow near the left edge starts in the bottom half and points up across the dashed line.

One black dot, a punched hole, is in the top half, to the right of centre.

Four answer choices. Each shows a square sheet of paper with holes:

Choice 1: one hole in the upper half, right of centre

Choice 2: two holes right of centre, one above the other: one in the upper half and one in the lower half

Choice 3: two holes side by side in the upper half, one on each side of the middle

Choice 4: four holes in a square group around the middle

Q8

The picture:

A square sheet of paper. A dashed line runs straight across the middle, from the left edge to the right edge. A curved arrow near the left edge starts in the bottom half and points up across the dashed line.

One black dot, a punched hole, is in the top half, to the left of centre.

Four answer choices. Each shows a square sheet of paper with holes:

Choice 1: two holes left of centre, one above the other: one in the upper half and one in the lower half

Choice 2: four holes in a square group around the middle

Choice 3: one hole in the upper half, left of centre

Choice 4: two holes side by side in the upper half, one on each side of the middle

Answers and explanations

Try the questions first. The answers follow below.

Check the reasoning.

Use the original workbook page number and question label to match each answer.

Workbook p. 25 | Picture Analogies Q5 | Answer 2

A cap is worn on a head. A glove is worn on a hand.

[Back to the question](#)

Workbook p. 25 | Picture Analogies Q6 | Answer 1

An apple comes from an apple tree. Bread is made from grain such as wheat.

[Back to the question](#)

Workbook p. 46 | Picture Classification Q7 | Answer 3

School, road and garden are places. The castle is also a place.

[Back to the question](#)

Workbook p. 46 | Picture Classification Q8 | Answer 4

Cup, box and basket are containers. A bottle is another container.

[Back to the question](#)

Workbook p. 85 | Number Puzzles Q7 | Answer C

$7 + 3 = 10$. Put 7 in the blank.

[Back to the question](#)

Workbook p. 85 | Number Puzzles Q8 | Answer D

$13 - 5 = 8$. Put 13 in the blank; do not calculate $8 - 5$.

[Back to the question](#)

Workbook p. 94 | Figure Matrices Q9 | Answer 1

Add one side and reverse empty/solid. The solid triangle becomes an empty square.

[Back to the question](#)

Workbook p. 94 | Figure Matrices Q10 | Answer 3

Mirror the figure left to right and reverse empty/solid. Keep its orientation otherwise unchanged.

[Back to the question](#)

Workbook p. 113 | Paper Folding Q7 | Answer 2

Opening the horizontal fold makes two holes, one above the other on the right.

[Back to the question](#)

Workbook p. 113 | Paper Folding Q8 | Answer 1

Opening the horizontal fold makes two holes, one above the other on the left.

[Back to the question](#)

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