TEXT VERSION · SCREEN-READER FRIENDLY

NGAT Grade 2 workbook sample: text version

The NGAT Grade 2 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 · NGAT Grade 2 · A first look at visual reasoning

About this sample

These five pages show picture classification, figure patterns and quantitative reasoning from our NGAT Grade 2 workbook. The original page numbers and question labels are retained.

The workbook heads its pages Verbal, Nonverbal and Quantitative Battery; the NGAT itself calls these three tests. A few items, such as the paper folding and the counting and balance questions, are extra reasoning practice rather than the NGAT's own question formats.

Parent instructions

Before you begin

For the verbal pictures, choose the one picture that does not belong. For the matrices, choose the missing picture. For quantitative items, read the short question together. 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/ngat-grade-2/

Questions

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

How the pictures are described

- The pictures in the verbal questions are grey drawings of everyday things.
- “Empty” means a white shape with a black outline. “Solid” means filled in black. “Striped” means grey diagonal stripes inside a black outline.
- The answer choices are drawn in their own boxes, at a different scale from the puzzle, so sizes in the choices are described compared with the other choices.
- 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 63: Form A · Verbal Battery

> **Q1**

Six numbered pictures, in two rows of three:

Choice 1: a small bird standing, facing right

Choice 2: a striped cat walking

Choice 3: a dog standing, with floppy ears and its tail up

Choice 4: a cow with dark patches

Choice 5: an open book with pictures on its pages

Choice 6: a rabbit sitting up

Q2

Six numbered pictures, in two rows of three:

Choice 1: a sandal with straps and a buckle

Choice 2: a slipper

Choice 3: a glove with five fingers

Choice 4: a sneaker (a running shoe)

Choice 5: a lace-up boot

Choice 6: a striped sock

TIMED PRACTICE

Workbook page 84: Form A · Nonverbal Battery

Q1

The picture:

A grid of two rows and two columns:

- Top left: an empty square.
- Top right: a solid square.
- Bottom left: an empty triangle.
- Bottom right: a question mark.

Five answer choices:

Choice 1: a striped triangle

Choice 2: a solid circle

Choice 3: a solid square

Choice 4: an empty triangle

Choice 5: a solid triangle

Q2

The picture:

Every shape in this grid is solid black.

A grid of three rows and three columns:

- Top row: a small circle, a medium circle, a large circle.
- Middle row: a small star, a medium star, a large star.
- Bottom row: a small square, a medium square, then a question mark.

Five answer choices:

Choice 1: a medium solid square

Choice 2: a large empty square

Choice 3: a large solid square

Choice 4: a large solid star

Choice 5: a small solid square

TIMED PRACTICE

Workbook page 94: Form A · Nonverbal Battery

Q21

The picture:

A tall rectangle of paper drawn with solid lines, with a matching rectangle beside it on the right drawn with dashed lines and pale shading. A curved arrow starts in the dashed rectangle and points over the line between them onto the solid rectangle: the right half of the sheet is shown folding over onto the left half.

One black dot, a punched hole, is near the top of the folded paper, a little nearer the fold than the left edge.

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

Choice 1: four holes in a square group: two in the upper part and two in the lower part, one on each side of the middle

Choice 2: one hole near the top, on the left

Choice 3: two holes on the left, one above the other

Choice 4: two holes near the top, side by side, one on each side of the middle

Choice 5: one hole near the top, on the right

Q22

The picture:

A grid of three rows and three columns:

- Top row: an empty star, an empty diamond, an empty circle.
- Middle row: a striped star, a striped diamond, a striped circle.
- Bottom row: a solid star, a solid diamond, then a question mark.

Five answer choices:

Choice 1: an empty circle

Choice 2: a striped circle

Choice 3: a solid circle

Choice 4: a solid star

Choice 5: a solid diamond

TIMED PRACTICE

Workbook page 106: Form A · Quantitative Battery

Q3

Which box has the most dots?

Five lettered boxes of dots:

Choice A: three dots in a slanting line from top left to bottom right

Choice B: five dots: one in each corner and one in the middle

Choice C: one dot, low on the right

Choice D: four dots, one in each corner

Choice E: two dots, one at the top left and one at the bottom right

Q4

Each box changes the same way. How many come next?

The picture:

Two rows. In each row, a box of outlined stars, an arrow pointing right, then a second box:

- Top row: a box with 2 stars, an arrow, then a box with 3 stars.
- Bottom row: a box with 4 stars in two rows of two, an arrow, then a box with a question mark.

Five lettered choices, each a number:

Choice A: 6

Choice B: 3

Choice C: 5

Choice D: 8

Choice E: 4

TIMED PRACTICE

Workbook page 111: Form A · Quantitative Battery

Q13

How many cubes make the scale balance?

The picture:

A balance scale: a straight, level beam resting on a triangle in the middle, with a curved pan at each end.

Above the left side: three small cubes in a row. Above the right side: a question mark.

Five lettered boxes of small cubes:

Choice A: 1 cube

Choice B: 3 cubes in a row

Choice C: 5 cubes: three above and two below

Choice D: 4 cubes in two rows of two

Choice E: 2 cubes side by side

Q14

Which shape has one fourth shaded?

Five lettered squares, each with grey shading:

Choice A: a square shaded grey all over, with no lines inside

Choice B: a square split by one upright line into two equal halves; the left half is shaded

Choice C: a square split by one upright line placed well to the right, making a wide left part about three times as wide as the narrow right strip; the wide left part is shaded

Choice D: a square split by two upright lines into three strips of roughly similar width; the left strip is shaded

Choice E: a square split into four equal smaller squares, two above and two below; the top left small square is shaded

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. 63 | Verbal Q1 | Answer 5

The book is the only object that is not an animal.

Back to the question

Workbook p. 63 | Verbal Q2 | Answer 3

A glove goes on a hand. All the other items are worn on feet.

Back to the question

Workbook p. 84 | Nonverbal Q1 | Answer 5

The shape stays the same and changes from empty to solid. Choose the solid triangle.

Back to the question

Workbook p. 84 | Nonverbal Q2 | Answer 3

Each row grows from small to medium to large. The bottom row needs a large square.

Back to the question

Workbook p. 94 | Nonverbal Q21 | Answer 4

Opening the vertical fold makes two holes at the same height, one on each side of the fold. A note from us: paper folding is extra spatial practice in this workbook; the NGAT's own nonverbal test uses shape matrices rather than folding items.

Back to the question

Workbook p. 94 | Nonverbal Q22 | Answer 3

The last row is solid; the last column contains circles. Choose the solid circle.

Back to the question

Workbook p. 106 | Quantitative Q3 | Answer B

The boxes contain 3, 5, 1, 4 and 2 dots. Five is the greatest number.

Back to the question

Workbook p. 106 | Quantitative Q4 | Answer C

Two stars become three: add one. Four stars therefore become five. A note from us: with only one example pair, another rule also fits (2 × 1.5 = 3, so 4 would become 6). Adding one is the simpler rule and the keyed answer, but if your child says 6 and explains it this way, that is sound reasoning worth praising.

Back to the question

Workbook p. 111 | Quantitative Q13 | Answer B

The left side has three identical cubes. Three cubes on the right balance it.

Back to the question

Workbook p. 111 | Quantitative Q14 | Answer E

Only E has exactly one of four equal parts shaded. D is one third, not one fourth.

Back to the question

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