

CogAT Grade 2 / Level 8

Pictures, numbers and spatial thinking

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.

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.

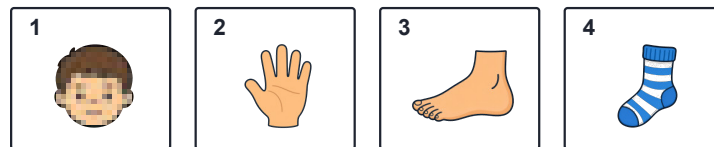
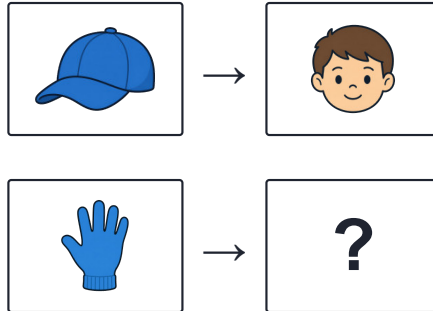
A small, complete practice session

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/

Form A • Picture Analogies

Q5



ANSWER

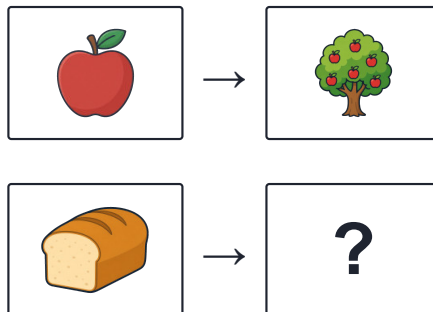
1

2

3

4

Q6



ANSWER

1

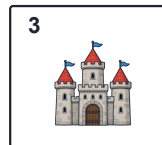
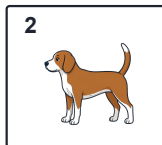
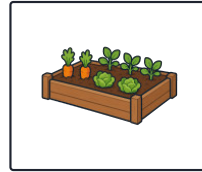
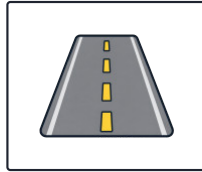
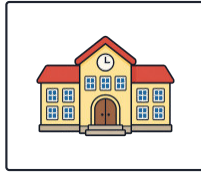
2

3

4

Form A • Picture Classification

Q7



ANSWER

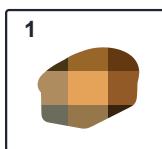
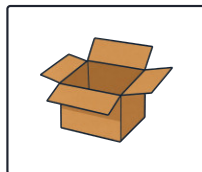
1

2

3

4

Q8



ANSWER

1

2

3

4

Form A • Number Puzzles

Q7

Which number makes the equation true?

$$10 = ? + 3$$

- A 10 B 8 C 7 D 6

ANSWER

A

B

C

D

Q8

Which number makes the equation true?

$$8 = ? - 5$$

- A 14 B 8 C 12 D 13

ANSWER

A

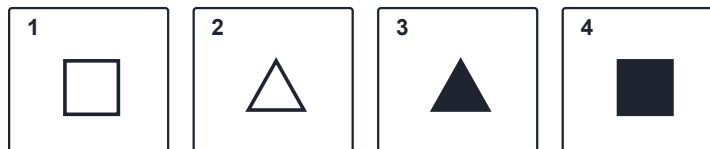
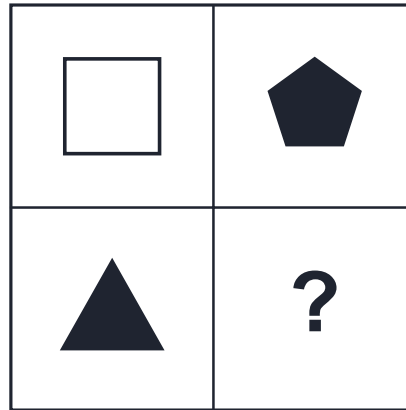
B

C

D

Form A • Figure Matrices

Q9



ANSWER

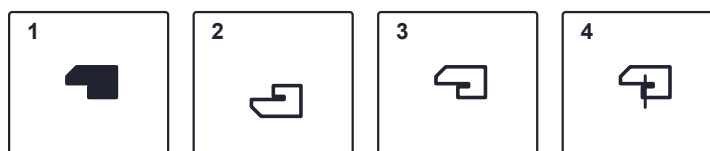
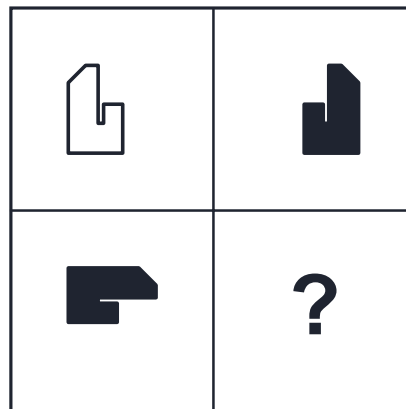
1

2

3

4

Q10



ANSWER

1

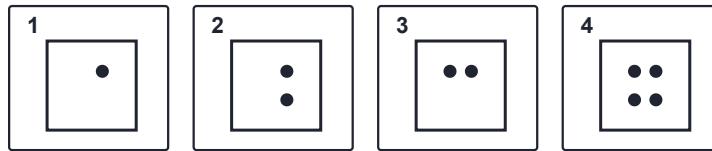
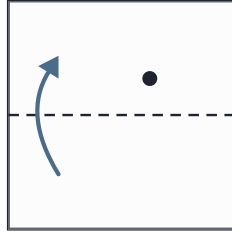
2

3

4

Form A • Paper Folding

Q7



ANSWER

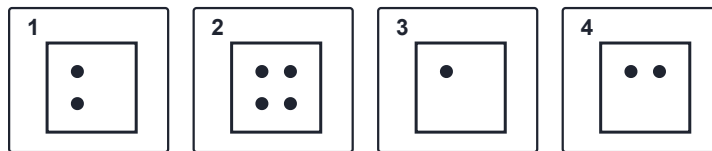
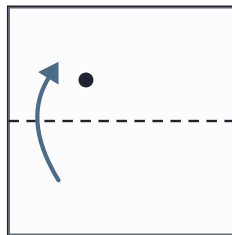
1

2

3

4

Q8



ANSWER

1

2

3

4

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.

Workbook p. 25 | Picture Analogies Q6 | Answer 1

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

Workbook p. 46 | Picture Classification Q7 | Answer 3

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

Workbook p. 46 | Picture Classification Q8 | Answer 4

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

Workbook p. 85 | Number Puzzles Q7 | Answer C

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

Workbook p. 85 | Number Puzzles Q8 | Answer D

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

Workbook p. 94 | Figure Matrices Q9 | Answer 1

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

Workbook p. 94 | Figure Matrices Q10 | Answer 3

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

Workbook p. 113 | Paper Folding Q7 | Answer 2

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

Workbook p. 113 | Paper Folding Q8 | Answer 1

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