



Reasoning Paper 1: answer guide

Warm-up level · 16 questions · 15 minutes · 8 verbal + 8 non-verbal

How to mark

- Give 1 mark for each correct answer. There are no half marks.
- Use the answer key below, then read the explanation and tip for every question your child got wrong – and for any they guessed.
- Fill in the topic table at the end. A pattern (for example, losing marks on several questions of one type) tells you what to practise next.

Reasoning puzzles are new to most six- and seven-year-olds. If a type of question caused trouble, try a couple more together out loud – children usually pick up the rule quickly once they've seen it.

Answer key

Q	Answer	Q	Answer	Q	Answer	Q	Answer	Q	Answer
1	C carrot	5	A flower	9	C	13	A		
2	B I	6	D CAB	10	A	14	B		
3	D cold	7	B cat	11	D	15	D		
4	A eat	8	B bird	12	C	16	C		

What the score means

Score	What it suggests
14-16	Secure at warm-up level. Move on to the standard papers (4-8).
11-13	A good start. Read the tips for the questions missed, then try the next paper.
8-10	Getting there. Use the topic table to choose one or two topics to practise before the next paper.
0-7	Some foundations need work. Practise the topics without a timer first, then come back to timed papers.

This is a warm-up paper, so scores will usually be higher than on the standard and stretch papers. Scores on practice papers are a guide only – they don't predict a pass mark, which varies by area and year.



Question by question

Each answer shows how to work it out, and a **Next time** tip aimed at the most common mistake.

Question 1 · Answer C: carrot

Odd one out

Which word is the odd one out?

Apple, banana and pear are fruits. A carrot is a vegetable.

Next time: Say what three of the words have in common. The one that doesn't fit the group is the answer.

Question 2 · Answer B: I

Letter patterns

Which letter comes next? A C E G ?

The pattern skips one letter each time: A (b) C (d) E (f) G (h) I.

Next time: Write the alphabet across the top of the page and mark the jumps between letters.

Question 3 · Answer D: cold

Opposites

Which word means the opposite of 'hot'?

The opposite of hot is cold. 'Warm' is similar to hot, not the opposite.

Next time: Words that mean nearly the same (like warm) are put there to trick you. An opposite is at the other end.

Question 4 · Answer A: eat

Word links

Cup is to drink as plate is to ...

You use a cup to drink, and you use a plate to eat.

Next time: Make a sentence for the first pair ('you use a cup to drink'), then use the same sentence for the second pair.

Question 5 · Answer A: flower

Compound words

Which word can go after 'sun' to make a new word?

Sun + flower = sunflower.

Next time: Say each new word aloud. If it isn't a real word, cross it out.



Question 6 - Answer D: CAB

Codes

If A = 1, B = 2 and C = 3, what does 3 1 2 spell?

3 is C, 1 is A, 2 is B. So 3 1 2 spells CAB.

Next time: Change one number at a time, in order, and write each letter down as you go.

Question 7 - Answer B: cat

Word links

Puppy is to dog as kitten is to ...

A puppy is a young dog, and a kitten is a young cat.

Next time: Find the link in the first pair (a baby animal and its grown-up), then use the same link.

Question 8 - Answer B: bird

Alphabetical order

Which word comes first in alphabetical order?

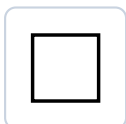
Look at the first letters: m, b, t, d. B comes first in the alphabet, so 'bird' comes first.

Next time: Only the first letter matters here. Say the alphabet and stop at the first letter you need.

Question 9 - Answer C

Odd one out

Which shape is the odd one out?



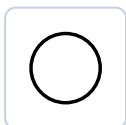
Three of the shapes are triangles. One is a square. The size doesn't matter.

Next time: Look at one thing at a time: the shape, then the size, then the colour.

Question 10 - Answer A

Odd one out

Which shape is the odd one out?



Three shapes are shaded black. One is white. The shapes are all different, so the shading is the rule.

Next time: If the shapes are all different, the rule must be something else - check the colour.



Question 11 - Answer D

What comes next

Which picture comes next?



The number of dots goes up by one each time: 1, 2, 3, so next is 4.

Next time: Count the parts in each picture and write the number underneath. Then the pattern is easy to see.

Question 12 - Answer C

What comes next

Which picture comes next?



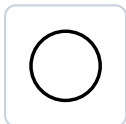
The arrow turns a quarter turn clockwise each time: up, right, down, so next it points left.

Next time: Turn your finger the same way as the arrow to see which way it will point next.

Question 13 - Answer A

What comes next

Which picture comes next?



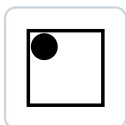
The pattern repeats circle, square, circle, square, so a circle comes next.

Next time: Say the pattern out loud: 'circle, square, circle, square...' and keep going.

Question 14 - Answer B

Matching

Which picture is exactly the same as this one?



The small circle must be black and in the top-left corner. A and D have it in the wrong corner; C has a white circle.

Next time: Check every detail: where the small shape is, and what colour it is.



Question 15 - Answer D

Changes

The first picture changes into the second. Which picture changes in the same way?



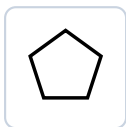
The white circle becomes a black circle: the shape stays the same and turns black. So the white triangle becomes a black triangle.

Next time: Say what changes ('it turns black') and what stays the same ('same shape'). Both must be true for your answer.

Question 16 - Answer C

Odd one out

Which shape is the odd one out?



Three shapes have 4 sides. One has 5 sides (a pentagon).

Next time: Count the sides of each shape and write the number next to it.



Topic table

Tick the questions your child got right and write the total for each topic. Topics where marks were lost are the ones to practise first.

Topic	Questions	Score	Skills tested
Odd one out	1, 9, 10, 16	/ 4	Odd one out
Letter patterns	2	/ 1	Letter patterns
Opposites	3	/ 1	Opposites
Word links	4, 7	/ 2	Word links
Compound words	5	/ 1	Compound words
Codes	6	/ 1	Codes
Alphabetical order	8	/ 1	Alphabetical order
What comes next	11, 12, 13	/ 3	What comes next
Matching	14	/ 1	Matching
Changes	15	/ 1	Changes
Total		/ 16	

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