Smart Cub Learning

GL-STYLE SUBJECT PACK

GL-style 11+ Maths Pack 1

Maths

Name _____ **Date** _____

Instructions

- Do not open this booklet until you are told to.
- Mark every answer on the separate answer sheet. Rough working can go in this booklet.
- Each test is timed separately. Do one test at a time, and stop when you are told to.
- Each test starts with a worked example. Read it carefully.
- Work as quickly and carefully as you can. If a question is too hard, mark your best guess and move on. Come back to it if you have time.

What is in this pack

Test	Questions	Time
Test 1	1 to 50	50 minutes
Test 2	1 to 50	50 minutes
Test 3	1 to 50	50 minutes
Test 4	1 to 50	50 minutes

Do not turn over until you are told to do so

SAMPLE

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Before you start: notes for the adult

Each test in this pack is timed, so your child can practise working at speed. You will need:

- this question booklet, and the answer sheet printed separately,
- a pencil and an eraser,
- a clock or timer that you control.

Running the pack. Each test is timed separately. Do one test at a time. Read the worked example with your child before you start the clock, then give the time shown at the top of the test. When the time is up, say "Stop", even if the test is not finished. A short break between tests is fine.

Marking. Use the answer key on the first page of the solutions booklet. Each correct answer scores one mark. Then read the worked solutions together for every question your child got wrong or guessed.

What to practise next. The solutions booklet ends with a list of the skills in each test. Practise them with the three 11+ Workbooks that come free with this pack, and with the free Smart Cub videos and exercises.

Tips for you, the test taker

- Read every question carefully, all the way to the end.
- Look at every answer choice before you choose one.
- Mark your answer next to the right question number on the answer sheet.
- If you are stuck, make your best guess, mark it, and move on. Come back to it if you have time.

SAMPLE

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Test 1

50 minutes · Questions 1 to 50

Work out the answer to each question. Use the space on the page for your working.

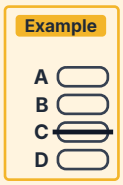
WORKED EXAMPLE

How many minutes are there between the Start time and the Finish time for Games?

Activity	Start time	Finish time
Games	10:46	11:32
Assembly	11:38	12:25
Maths lesson	13:39	14:12

A 14 minutes **B** 86 minutes **C** 46 minutes **D** 60 minutes

On your answer sheet, mark it like this:



The answer is C. The start time is 10:46 and the finish time is 11:32. Count on to the next hour: 10:46 to 11:00 is 14 minutes. Then count on to the end: 11:00 to 11:32 is 32 minutes. Add them: 14 + 32 = 46 minutes.

1 What is the total of the Morning bookings column?

Activity	Morning bookings	Evening bookings
Trampoline	43	79
Karate	9	21
Netball	64	63
Badminton	53	29

A 169 **B** 212 **C** 192 **D** 105

2 Rosa writes down the first 4 terms of a number sequence. What is the next term?

Position	Value
Term 1	14
Term 2	21
Term 3	28
Term 4	35

A 42 **B** 49 **C** 35 **D** 28

3 A box holds 48 counters. 1/4 of them are purple. Half of the counters that are left are red. How many counters are red?

A 12 **B** 18 **C** 30 **D** 24

4 A recipe uses 5 lemons for every 2 plums. How many plums are needed for 25 lemons?

A 10 **B** 12 **C** 8 **D** 25

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5 How many minutes are there between the Start time and the Finish time for Music?

Activity	Start time	Finish time
Maths lesson	09:35	09:58
Games	12:35	13:22
Music	13:47	14:07
Reading	14:38	15:16

A 60 minutes **B** 40 minutes **C** 20 minutes **D** 80 minutes

6 What is the total of the Evening passengers column?

Service	Morning passengers	Evening passengers
Bridgend	33	53
Eastwick	82	90
Garndale	13	74
Caldale	77	37

A 201 **B** 205 **C** 328 **D** 254

7 Zaid writes down the first 4 terms of a number sequence. What is the next term?

Position	Value
Term 1	65
Term 2	56
Term 3	47
Term 4	38

A 47 **B** 29 **C** 20 **D** 38

8 Look at the July bookings column. What is the total for Orchard and Paddock?

Pitch	June bookings	July bookings
Meadow	14	52
Orchard	58	45
Paddock	47	78
Woodland	42	63

A 123 **B** 238 **C** 78 **D** 33

9 How many grams are in 3/10 of a kilogram?

A 30 **B** 1000 **C** 3000 **D** 300

10 Write 13/20 as a percentage.

A 650% **B** 65% **C** 6.5% **D** 0.65%

11 What is 4/5 of 150?

A 120 **B** 600 **C** 146 **D** 30

12 A box holds 60 pencils. 1/6 of them are orange. Half of the pencils that are left are yellow. How many pencils are yellow?

A 25 **B** 10 **C** 30 **D** 50

13 What is 10% of 270?

A 10 **B** 27 **C** 243 **D** 270

SAMPLE

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