Cambridge Assessment International Education

Mathematics

Stage 6

First Semester

Cambridge Primary Progression Test

Name

Class

Date

45 minutes

Additional materials: Set square
Tracing paper (optional)

INSTRUCTIONS

- Answer **all** questions.
- Write your answer to each question in the space provided.
- You should show all your working on the question paper.
- You are **not** allowed to use a calculator.

INFORMATION

- The total mark for this paper is **25**.
- The number of marks for each question or part question is shown in brackets [ ].

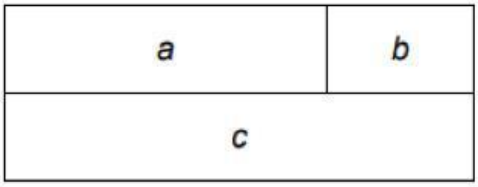
LIVEWORKSHEETS

1. Draw a line to match each calculation to the correct label.

–35 – 16	
–16 + 35	positive answer
16 – 35	negative answer
–35 + 16	

[2]

2. Gabriella has three blocks.
The two shorter blocks fit **exactly** on top of the longest block.
Here is a diagram of the blocks.



a, *b* and *c* represent the lengths of each of the blocks in centimetres.

Tick (✓) the correct statement about the diagram.

$a = b + c$	☐
$a - b = c$	☐
$a + c = b$	☐
$b = c - a$	☐

[1]

3. Anastasia writes a sequence.

The 1st term in Anastasia's sequence is 2
The 2nd term is 4
The 3rd term is 6

Write the 8th term in Anastasia's sequence.

..... [1]

LIVEWORKSHEETS

4. Draw a line to match each number to the correct statement.

71.153	The 3 represents 3 thousands
322.784	The 3 represents 3 thousandths
1352.4	The 3 represents 3 hundreds
41.031	The 3 represents 3 hundredths

[2]

5. The table shows information about the sequence of square numbers.

Term	Model	Expression	Calculation	Square number
1st	●	1^2	1 × 1	1
2nd	● ● ● ●	2^2	2 × 2	4
3rd	● ● ● ● ● ● ● ● ●	3^2	3 × 3	9
4th				

(a) Complete the table for the 4th term. [1]

(b) Complete the sentence.

The model with exactly 81 dots will be the ..... th term. [1]

6. Calculate the difference between 5^3 and 5^2

..... [1]

LIVEWORKSHEETS

7. Youssef wants to know the distance each of his teachers travel to school.
Here is the data he collects.

Distance travelled in kilometres
8
35
15
50
10
2

(a) Calculate the range of his data.

..... kilometres [1]

(b) Calculate the mean of his data.

..... kilometres [1]

8. Anastasia chooses a number with **exactly** two decimal places.
She rounds it to the nearest tenth.
Her answer is 7.0

Write a number that Anastasia could choose.

☐ . ☐ ☐

[1]

LIVEWORKSHEETS

9. Draw a ring around **all** the numbers that are common multiples of 4 **and** 6

1 2 4 6 12 24

[1]

10. Gabriella counts on in 6s starting at 6
She records some of the numbers in a position-to-term table.

Position	1	2	3	9	
Term	6	12	18		720

Complete the table.

[2]

11. The table shows information about the highest and lowest temperatures recorded in Ottawa in 2021.

Month	**Highest temperature**	**Lowest temperature**
January	–5°	–14°
February	–3°	–10°
March	2°	–7°
April	11°	1°
May	19°	8°
June	24°	12°

Write the names of the two months which have the same difference between their highest and lowest temperatures.

..... and ..... [1]

12. Here are four calculations.

Draw a ring around the calculation with an answer of −20

24 − 4 −24 + 4 24 + 4 −24 − 4

[1]

LIVEWORKSHEETS

13. Draw lines to join 10.56 to **all** the equivalent values.

	105 tenths and 6 hundredths
	10 ones and 56 tenths
10.56	1 ten and 56 hundredths
	156 hundredths

[1]

14. Write a decimal number on each answer line to make each statement correct.

843 hundredths = ...

84 tenths and 3 thousandths = ...

8 ones 4 hundredths and 3 thousandths = ...

8 + 0.4 + 0.03 = ...

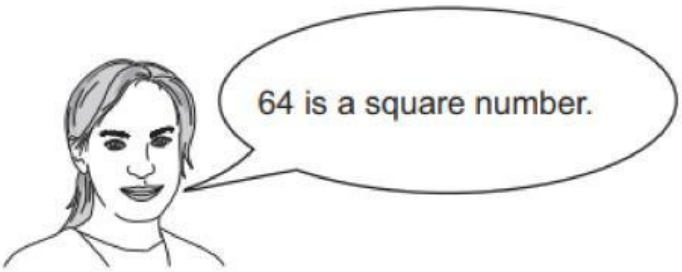
[2]

15. Draw a ring around **all** the multiples of 4

3004 4034 4242 2424 2332

[1]

16. Eva says,



Eva is correct.

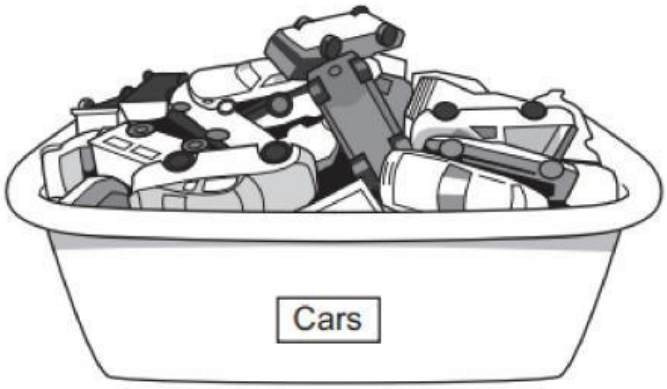
Explain how you know.

.....

..... [1]

LIVEWORKSHEETS

17. Chen and Mike each have some toy cars.



The number of cars that Chen has is represented by C.
The number of cars that Mike has is represented by M.

Mike has **twice** as many cars as Chen.

(a) Find M when C is 20

..... [1]

(b) Find C + M when M is 20

..... [1]

18. Write the cube of 4

..... [1]

LIVEWORKSHEETS