



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 [].

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

$$-35 - 16$$

$$-16 + 35$$

$$16 - 35$$

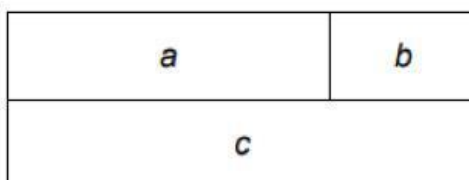
$$-35 + 16$$

positive answer

negative answer

[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]

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 theth term. [1]

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

[1]

-
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.

	.		
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[1]

-
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]

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

10.56

105 tenths and 6 hundredths

10 ones and 56 tenths

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

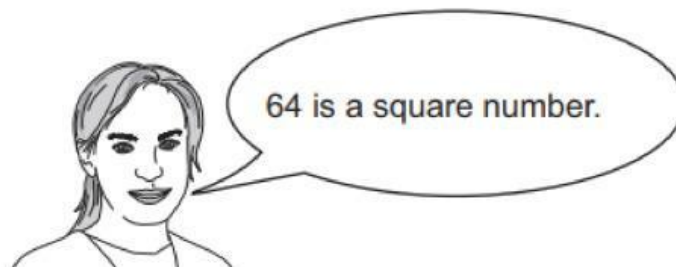
4242

2424

2332

[1]

-
16. Eva says,

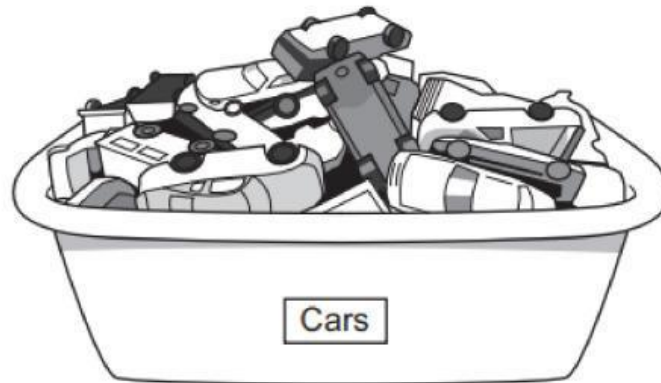


Eva is correct.

Explain how you know.

.....
[1]

-
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]
