



Annual Examinations for Middle Schools 2022

YEAR 8

MATHEMATICS
Non-Calculator Paper

TIME: 30 minutes

Question	1	2	3	4	5	Total
Mark						

DO NOT WRITE ABOVE THIS LINE

Name: _____

Class: _____

Instructions to Candidates

- Answer ALL questions.
- This paper carries a total of 25 marks.
- Calculators and protractors are NOT ALLOWED.
- All necessary working must be shown.

1. Work out the following:

a) $4286 + 1039$

Ans: _____

b) $3312 - 294$

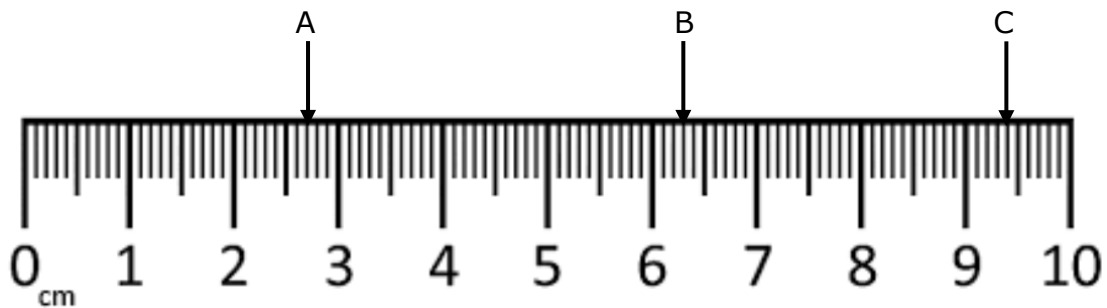
Ans: _____

c) $4 \times (3 + 5) - 2$

Ans: _____

(4 marks)

2. Three lengths, in cm, are marked on the ruler below.



a) Read the lengths marked by the three arrows:

A = _____ cm B = _____ cm C = _____ cm

b) Subtract length A from length C.

Ans: _____ cm

(5 marks)

3. a) Mark has 45 sweets. He gives $\frac{2}{5}$ of them to his friend George.
i) How many sweets does George get?

Ans: _____ sweets

- ii) How many sweets are left for Mark?

Ans: _____ sweets

- b) **Underline** the **ratio** that is equivalent to 1 : 2

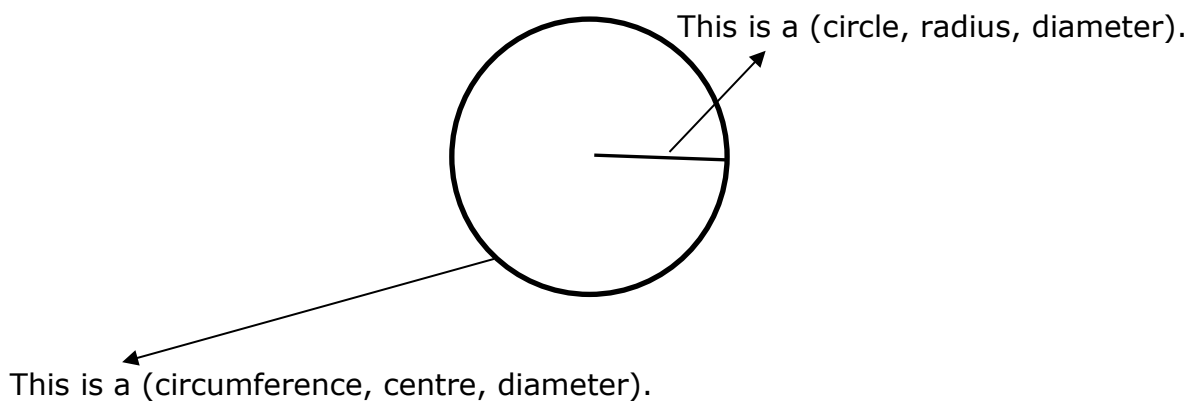
2 : 3

5 : 10

1 : 5

3 : 5

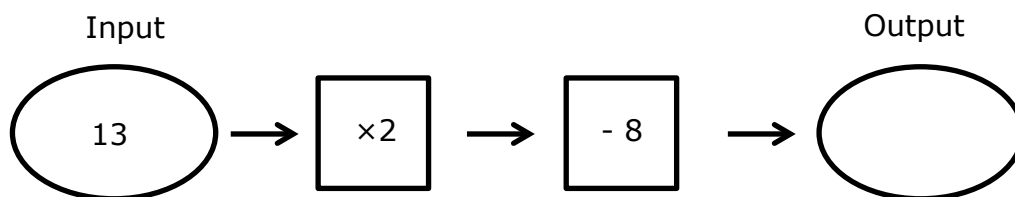
- c) **Underline** the correct answer.



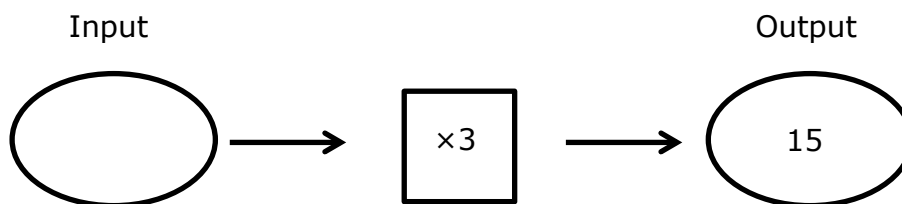
(7 marks)

4. Complete these number machines.

a)



b)



(3 marks)

5. The following numbers represent the ages of five children.

9 14 12 12 13

Work out:

- a) The mean age.

Ans: _____ years

- b) The median age.

Ans: _____ years

- c) The mode.

Ans: _____ years

- d) The range.

Ans: _____ years

(6 marks)

End of Non-Calculator Paper