

0	1
---	---

.

1

State **two** advantages of using Reverse Polish Notation (RPN) instead of infix notation to represent an expression.

[2 marks]

0	1
---	---

.

2

Describe how a single stack could be used to evaluate an RPN expression.

[4 marks]

0	2
---	---

$(3 + 4) * 5$ is an example of an infix expression. The same expression has been represented in a different expression format in **Figure 2**.

Figure 2

3 4 + 5 *

0	2	.	1
---	---	---	---

What is the name of the expression format used in **Figure 2**?

[1 mark]

0	2	.	2
---	---	---	---

Represent the infix expression $5 + 2 * 3 + 4$ in the same expression format used in **Figure 2**.

[2 marks]