



Writing an Expression Exam Practice

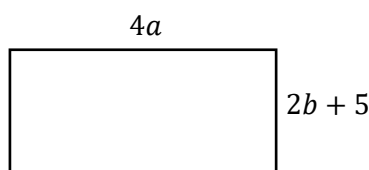
- Q1. Chas has p pencils. Derek has 5 more pencils than Chas.
Write an expression for the number of pencils Derek has.
(1 mark)
- Q2. Roy buys 5 packs of envelopes. Each pack contains e envelopes.
Write an expression for the number of envelopes Roy has.
(1 mark)
- Q3. Jana is y years old, and she is 24 years younger than her mother.
Write an expression for her mother's age.
(1 mark)
- Q4. Mark collects football stickers. Yesterday he had n stickers, but he lost 2 of them. Today, his friend gave him 5 more. Write an expression for how many stickers he currently has.
(1 mark)
- Q5. Eric runs a taxi firm. He charges a £3 fixed charge, and then 50p per mile travelled. Write an expression for the cost, in £, for a customer who travels m miles.
(2 marks)
- Q6. A farm-shop sells boxes of pears and bags of apples. Each box contains p pears and each bag contains a apples. Rashid buys 8 boxes of pears and 3 bags of apples.
Write down an expression for the total amount of fruit he has bought.
(2 marks)
- Q7. In an archery contest, players aim a circular target which has concentric circles painted on it. 6 points are awarded for hitting the white circle, 8 points are awarded for hitting the blue circle and 10 points for hitting the red circle. At the end of a contest, the white circle has been hit w times, the blue circle has been hit b times and the red circle has been hit r times. Write an expression for the total amount of points scored in the contest.
(2 marks)



Q8. A flask contains 1 litre of juice. Tom drinks d ml of juice. His friend drinks twice as much as Tom. Write down an expression for the amount of juice in millimetres left in the flask. (2 marks)

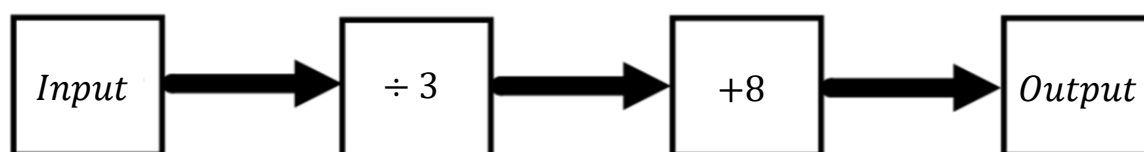
Q9. A field contains f sun-flowers. Each sun-flower has p petals. During a flash flood, one-quarter of the flowers are washed away. Write down an expression for the number of petals which are left. (2 marks)

Q10. Find and simplify an expression for the perimeter of the following rectangle:



(3 marks)

Q11. Here is a number machine.



a) Work out an expression for the output if the input is t . (1 mark)

b) Work out an expression for the input if the output is $3w + 10$. (1 mark)

Q12. A box contains 100 packets of football stickers which mainly contain s stickers. w of the packets contain one extra bonus sticker. Work out an expression for the total amount of stickers. Your answer should be simplified as far as possible. (3 marks)

Q13. Here is a menu in a café:

Tea:	85p
Coffee:	£1.70
Cola:	£1.10

Sally buys x teas, and y colas. She pays with a £10 note. Write down an expression for her change in pence.

(3 marks)