



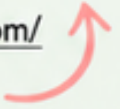
JP Maths

Revision



Attempt the paper
before watching the
solutions!

[https://www.youtube.com/
@JPMathsRevision](https://www.youtube.com/@JPMathsRevision)



FOUNDATION / HIGHER TIER

Writing an Expression



INSTRUCTIONS

- Use **black ink** or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working**.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.



INFORMATION

- The marks for **each** question are shown in brackets– *use this as a guide as to how much time to spend on each question.*



ADVICE

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



You've got this!

1. (a) The price of an apple is a pounds.

Write down an expression for the price of 3 apples.

$$3a$$

(1)

- (b) The price of a banana is b pounds.

The price of a carrot is c pounds.

Write down an expression for the price of 3 bananas and 2 carrots.

$$3b+2c$$

(1)

(Total for Question 1 is 2 marks)

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2. (a) Charlie has x sweets.

Daniel has 4 more sweets than Charlie.

Write down an expression for the number of sweets Daniel has.

$$x+4$$

(1)

- (b) Yusif has 6 fewer sweets than Charlie.

Find an expression for the total number of sweets Charlie, Daniel and Yusif have.

Give your answer in simplest form.

$$Y: x-6$$

$$C: x$$

$$D: x+4$$

$$3x-2$$

(2)

(Total for Question 2 is 3 marks)

3. A cup of tea costs $\pounds t$. A cup of coffee costs $\pounds c$. Write down an expression for the cost of 9 cups of tea and 4 cups of coffee.

$\pounds$ $9t + 4c$

(Total for Question 3 is 1 mark)

4. Harry has h sweets. He gives 4 to Jasmine. How many sweets does Harry have now?

$h - 4$

(Total for Question 4 is 1 mark)

5. Melissa has n bags of counters. Each bag contains m counters. Write down an expression for the total number of counters Melissa has.

mn

(Total for Question 5 is 1 mark)

6. (a) Jamie gets paid £ x for every hour he works.

Last week he worked for 20 hours.

Write down an expression for the amount Jamie earned last week.

$$20x$$

(1)

- (b) When Jamie works more than 25 hours, he gets paid overtime.

Jamie gets £15 for every hour he works overtime.

Jamie worked 40 hours this week.

Find an expression for the amount he got paid this week

$$25x + 15(15)$$

$$25x + 225$$

$$25x + 225$$

(2)

(Total for Question 6 is 3 marks)

7. In a triangle, one of the angles measures x degrees.

One of the angles measures y degrees.

Find an expression for the size of the third angle.

$$180 - x - y$$

(Total for Question 7 is 1 mark)

8. In a quadrilateral, one of the angles measures 60° .

One of the angles measures a° .

Find an expression for the sum of the other two angles.

$$360 - 60 - a$$

$$300 - a$$

(Total for Question 8 is 1 mark)

9. A bus takes x minutes to get from Bexley to Dartford. The train takes three times less time.
Write down an expression for the amount of time the train takes.

$$\frac{x}{3}$$

(Total for Question 9 is 1 mark)

10. Anton is x years old. His sister Bella is three years older. Callum is three times as old as Bella. Find an expression for the sum of their ages. Give your answer in simplest form.

$$A: x$$

$$B: x + 3$$

$$C: 3(x + 3)$$

$$x + x + 3 + 3x + 9$$

$$5x + 12$$

.....
(Total for Question 10 is 2 marks)
