



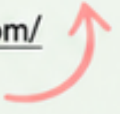
JP Maths

Revision



Attempt the paper
before watching the
solutions!

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



FOUNDATION TIER

Perimeter and Area



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

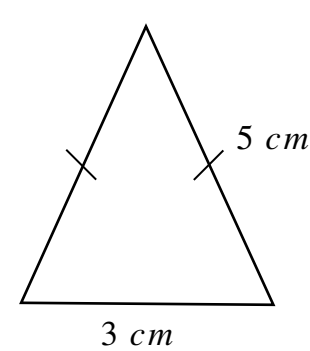
- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



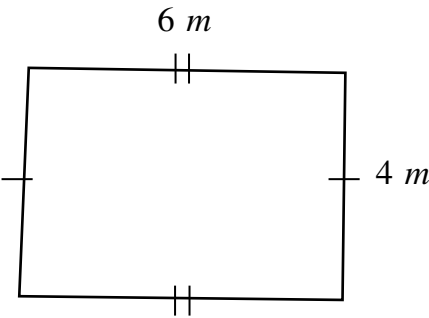
You've got this!

1. Work out the perimeter of the following 2D shapes:

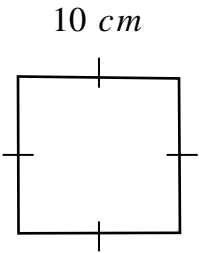
Include units with your answer.



.....
(1)



.....
(1)

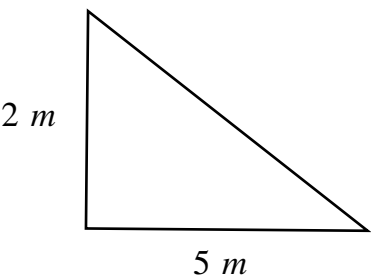


.....
(1)

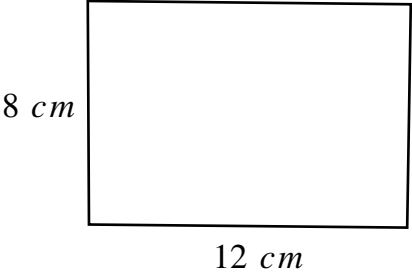
(Total for Question 1 is 3 marks)

2. Work out the area of the following 2D shapes:

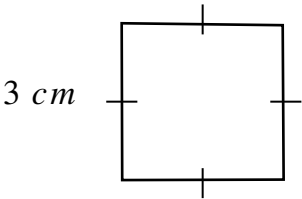
Include units with your answer.



.....
(1)



.....
(1)



.....
(1)

(Total for Question 2 is 3 marks)

3. A rectangle has area 72 cm^2 and width 8 cm .

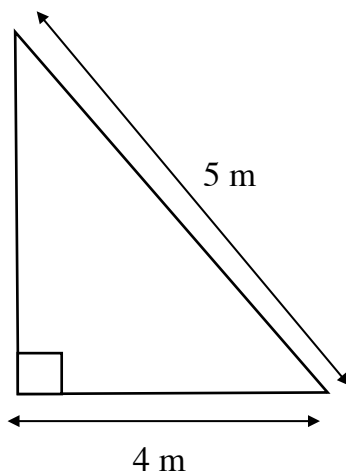
Find its length.



..... cm

(Total for Question 3 is 2 marks)

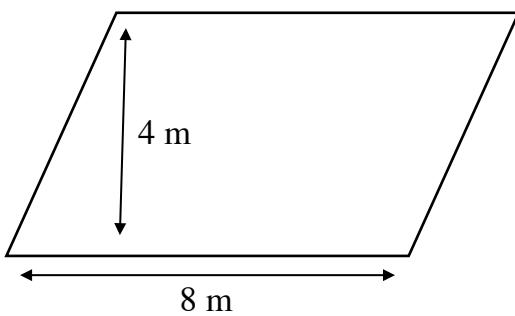
4. Find the area of the below right-angled triangle.



..... m^2

(Total for Question 4 is 3 marks)

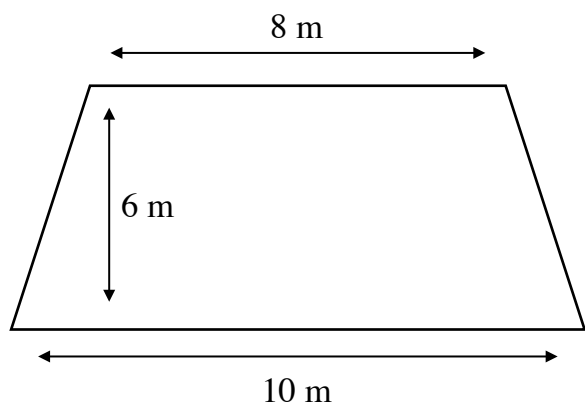
5. Find the area of the below parallelogram.



..... m^2

(Total for Question 5 is 2 marks)

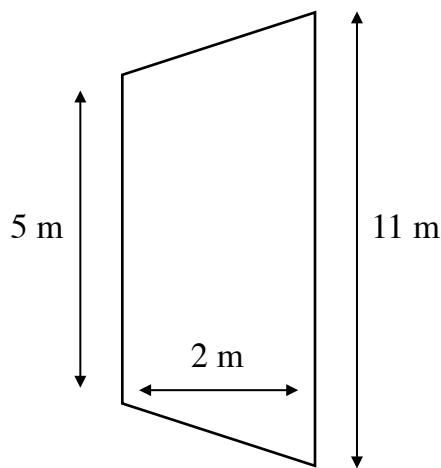
6. Find the area of the below trapezium



..... m²

(Total for Question 6 is 2 marks)

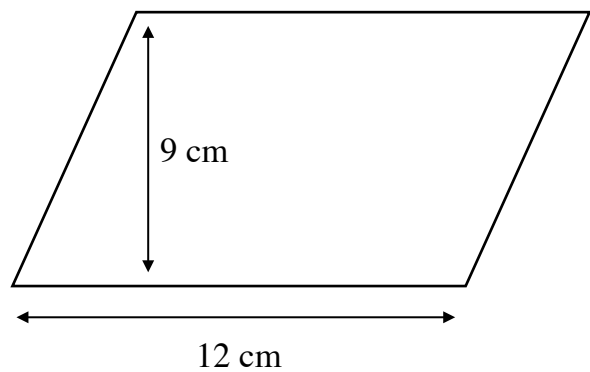
7. Find the area of the below trapezium



..... m²

(Total for Question 7 is 2 marks)

8. Find the area of the below parallelogram



..... cm²

(Total for Question 8 is 2 marks)

9. A rectangle has area 96 cm^2 and length 12 cm .

Find the width.

.....
cm

(Total for Question 9 is 2 marks)

10. A triangle has area 40 cm^2 and base 10 cm .

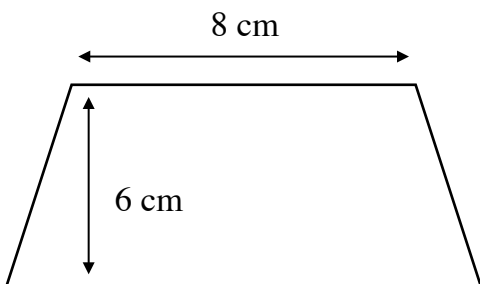
Find the height.

.....
cm

(Total for Question 10 is 2 marks)

11. A trapezium has area 60 cm^2 , height 6 cm , and one parallel side of 8 cm .

Find the length of the other parallel side.



.....
cm

(Total for Question 11 is 3 marks)

12. A garden is a rectangle measuring 15 m by 9 m.
Fencing is placed all the way around the garden.
Find the total length of fencing needed.

.....m
(Total for Question 12 is 2 marks)

13. A rectangular floor is 8 m long and 5 m wide.
Each square tile covers 3 m².
How many tiles are needed to cover the floor?

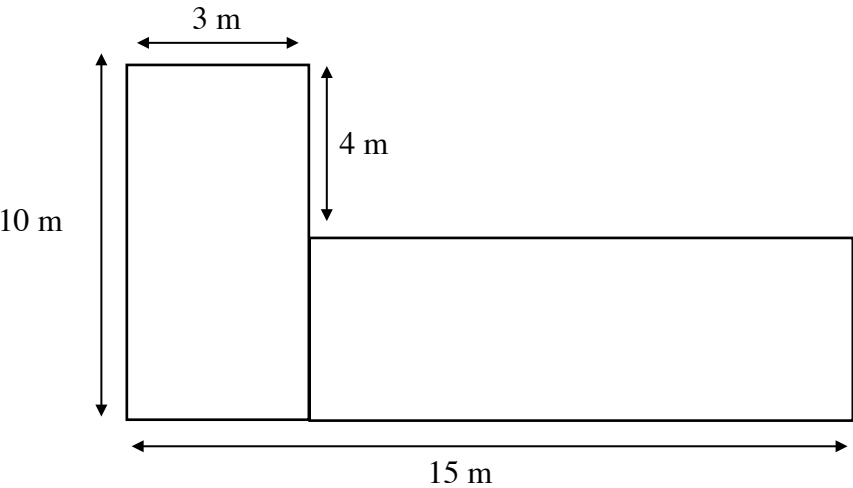
.....
(Total for Question 13 is 2 marks)

14. A triangular field has base 21 m and perpendicular height 12 m.
1 bag of grass seed covers 10 m².
Each bag costs £2.50.
What is the total cost of covering the field?

£
(Total for Question 14 is 3 marks)

15. A shape is made from two rectangles:

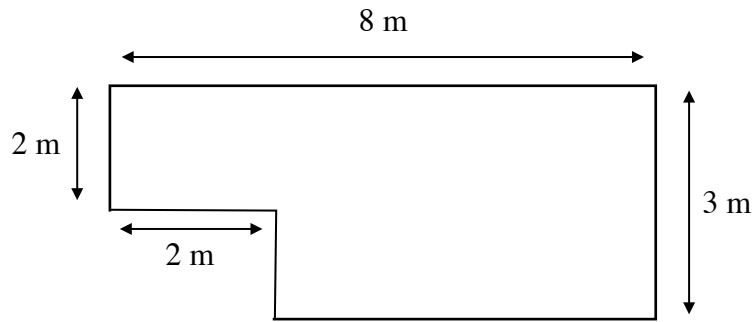
Find the total area.



..... m²

(Total for Question 15 is 2 marks)

16. Find the perimeter of this compound shape:



..... m

(Total for Question 16 is 2 marks)