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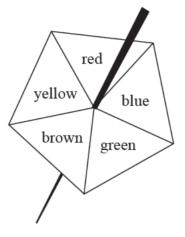
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Kenny spins the spinner once.

The table gives the probabilities that the spinner lands on red or on blue or on green.

Colour	red	blue	green	brown	yellow
Probability	0.15	0.26	0.33		

(a) Work out the probability that the spinner lands on red or blue.

(1)

When the spinner is spun once, the probability that the spinner lands on brown is 0.06 more than the probability that the spinner lands on yellow.

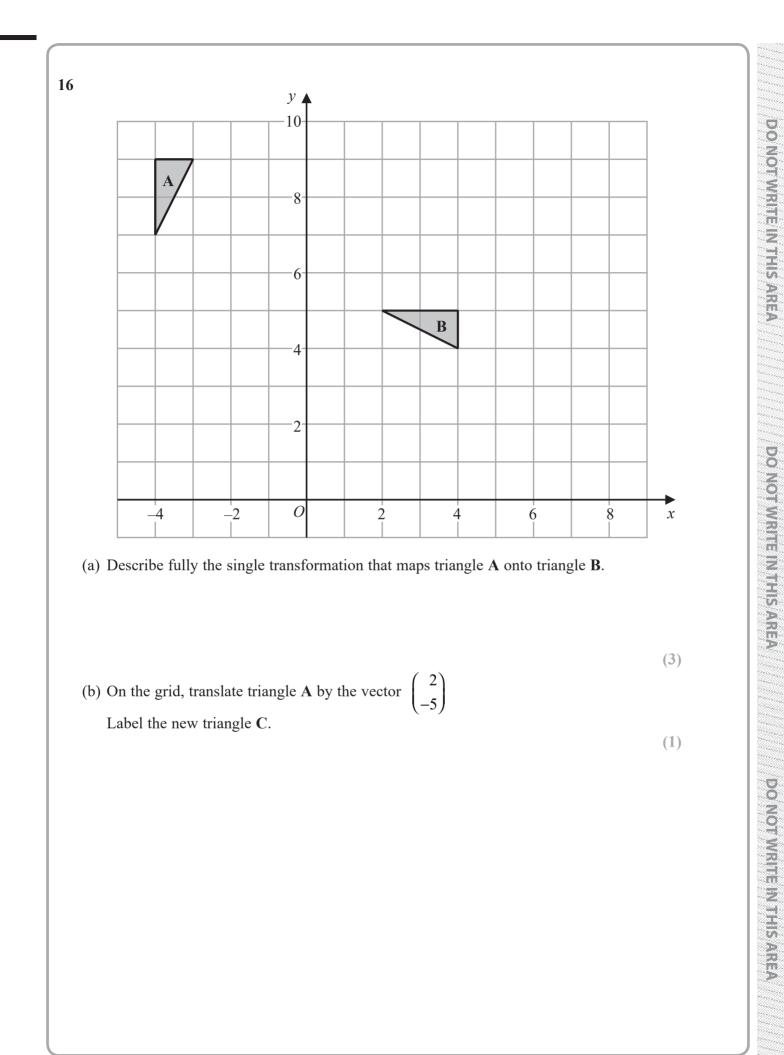
Jenine spins the spinner 150 times.

(b) Work out an estimate for the number of times the spinner lands on yellow.

(4)

(Total for Question 15 is 5 marks)



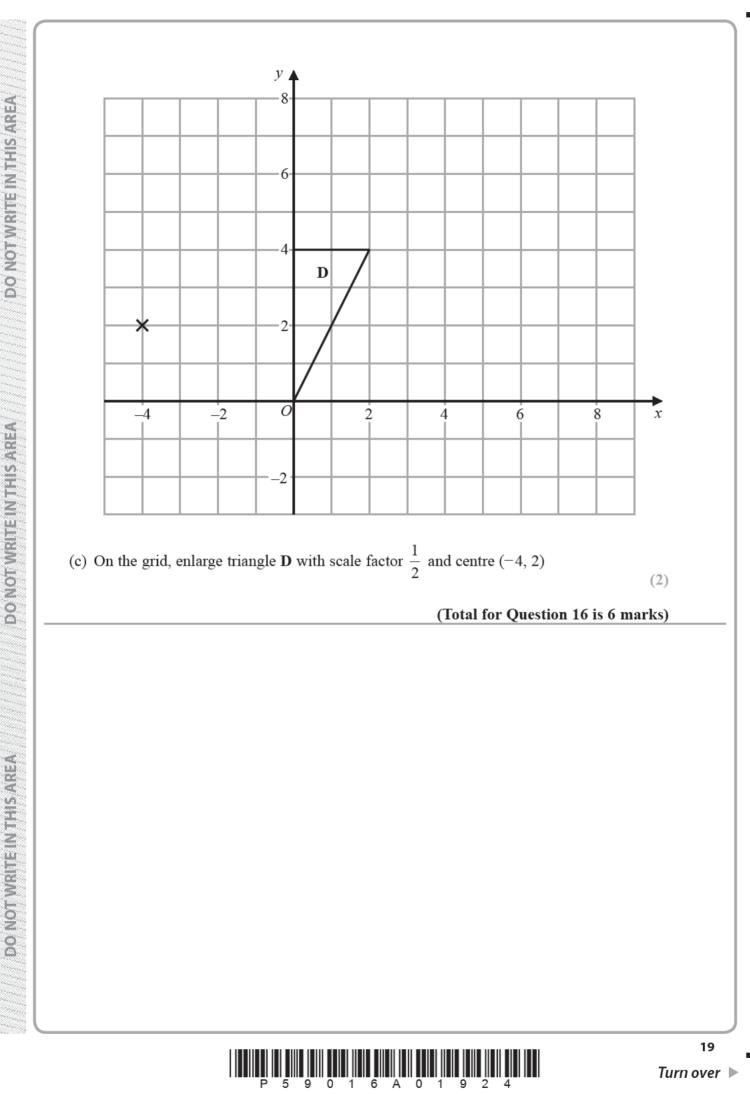


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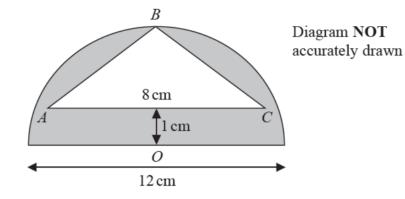
P 5 9 0 1 6 A 0 1 8 2 4



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17 The diagram shows an isosceles triangle *ABC* and a semicircle with centre *O* and diameter 12 cm.

The point B lies on the semicircle.



The line *OB* is the line of symmetry of the diagram.

AC is 1 cm from the diameter of the semicircle and AC = 8 cm.

Work out the area of the shaded region. Give your answer correct to 3 significant figures.

 cm^2

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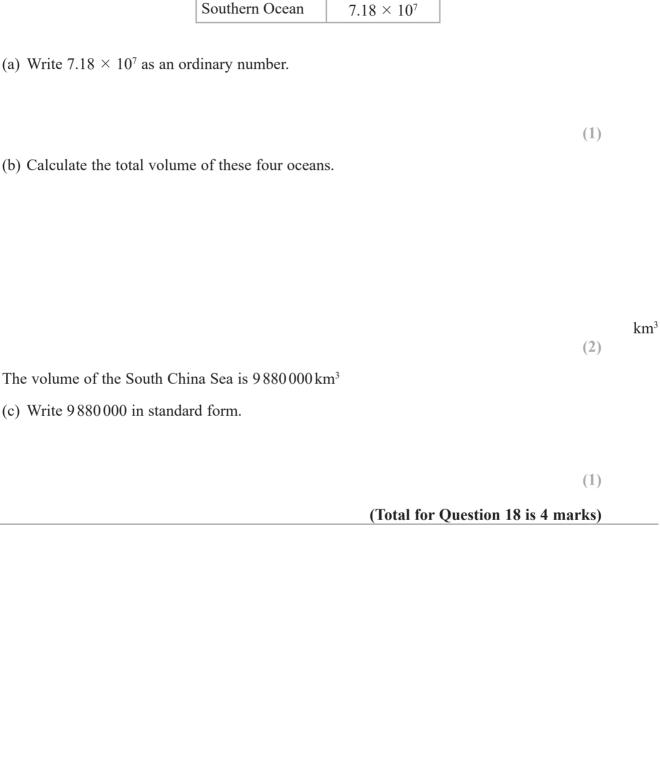
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(Total for Question 17 is 4 marks)





Volume (km³)

 1.88×10^{7}

 3.10×10^{8}

 2.64×10^{8}

- Arctic Ocean
- 18 The table shows the volumes, in km³, of four oceans.

Ocean

Atlantic Ocean

Indian Ocean

P 5 9 0 1 6 A 0 2 1 2 4

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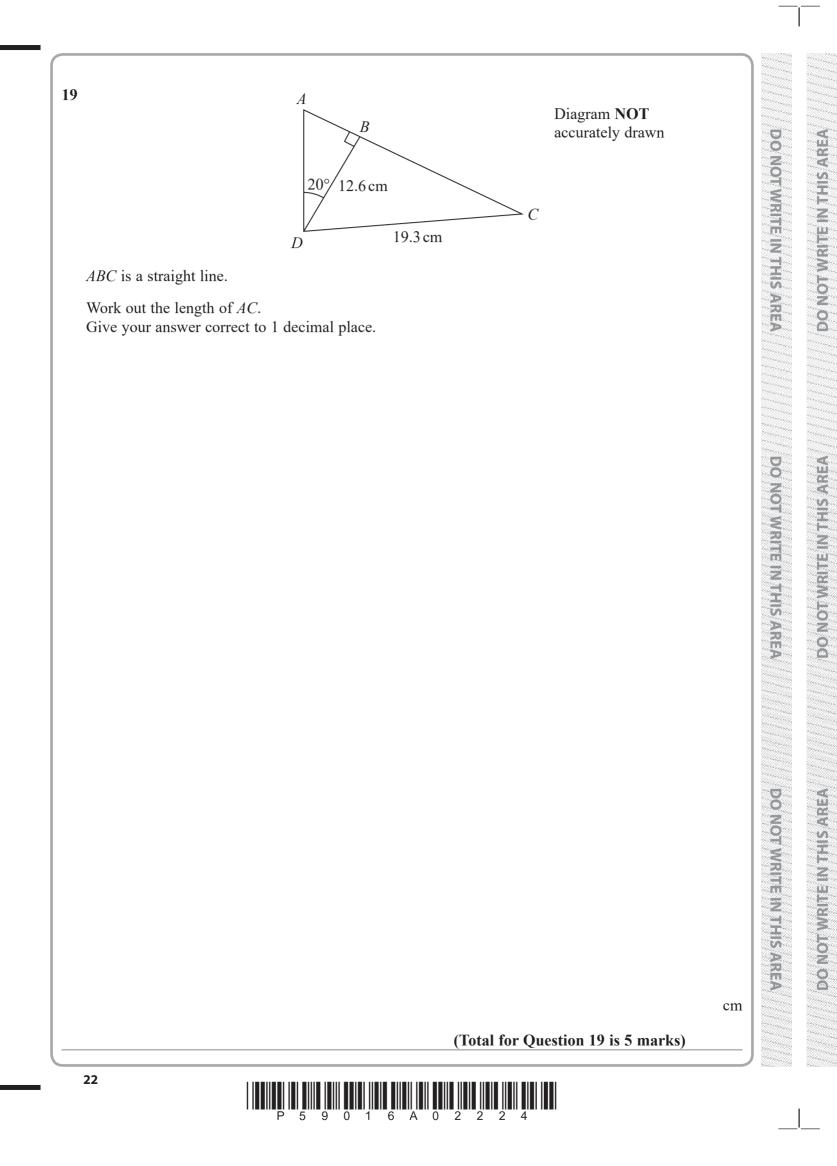
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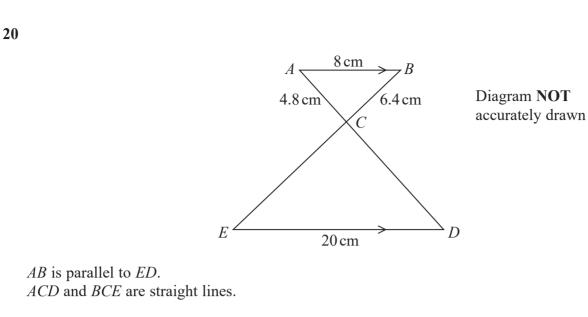
THIS AREA

WRITE IN

DO NOT

DO NOT WRITE IN THIS AREA





AB = 8 cmAC = 4.8 cmBC = 6.4 cmED = 20 cm

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WRITE IN THIS AREA

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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

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Work out the length of *BE*.

(Total for Question 20 is 3 marks)

TOTAL FOR PAPER IS 100 MARKS

