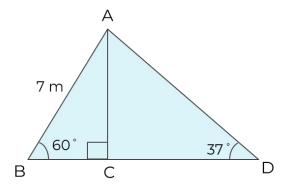
Maths

Miss Davies



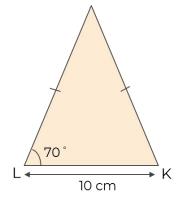
1. a) Find the height of triangle ABC



b) Find the length BD
Give your answer to 1 decimal place

2. JKL is an isosceles triangle. The length of LK is 10 cm.

a) Find the height of JKL.

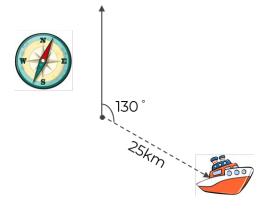


b) Hence, find the area.

Give your answer to 3 significant figures.



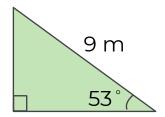
3. A ship travels 25 km on a bearing of 130°.



How far east of its original position is it?

Give your answer to I decimal place.

4. Jack wants to fence the perimeter of his triangular field.



- a) How much fencing will he need?
- b) Fencing is only sold in 1 m lengths costing £2.16 each.

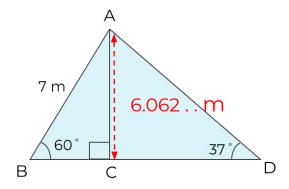
How much will it cost to fence the field?



Answers



1. a) Find the height of triangle ABC

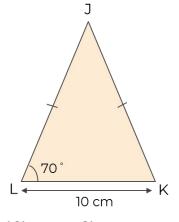


b) Find the length BD
Give your answer to 1 decimal place
11.5 m

2. JKL is an isosceles triangle. The length of LK is 10 cm.

- a) Find the height of JKL.
 - 13.7 cm (3 s.f)
- b) Hence, find the area.

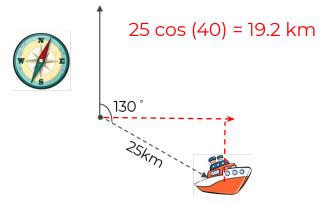
Answers between 68.5 cm² and 68.7 cm²



Give your answer to 3 significant figures.



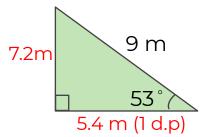
3. A ship travels 25 km on a bearing of 130° .



How far east of its original position is it?

Give your answer to I decimal place.

4. Jack wants to fence the perimeter of his triangular field.



a) How much fencing will he need?

$$9 + 7.2 + 5.4 = 21.6$$
m

b) Fencing is only sold in 1 m lengths costing £2.16 each.

How much will it cost to fence the field? $22 \times £2.16 = £47.52$

