Match-Up

Pythagoras Worded Problems

1	A ladder is placed $1.5\ m$ from the foot of a wall. The ladder reaches $3.8\ m$ vertically up the wall. How long is the ladder in metres?	**A**	23.8
2	A netball court is $30.5\ m$ long by $15.3\ m$ wide. How long in metres is the diagonal of the court?	**B**	10.8
3	Find the distance between the coordinates $(5, 2)$ and $(9, 12)$.	**C**	31.6
4	A canoe travels $5.5\ km$ north then turns and travels $3.1\ km$ east. It then turns and travels directly to its original position. How far in km has it travelled in total?	**D**	4.1
5	A bird sits on the ground, $26\ m$ away from the base of a fir tree. The tree is $18\ m$ tall. How far in metres is the bird from the top of the tree?	**E**	9.7
6	A ladder is $3.9\ m$ long. The foot of the ladder is $1.7\ m$ from the foot of a wall. How far in metres up the wall does the ladder reach?	**F**	8.2
7	A hiker sets off from home and walks $6\ km$ south and then $7.6\ km$ east. If he wishes to return directly home, how much further would he have to hike in km?	**G**	14.9
8	The diagonal of a tennis court measures $25.2\ m$. If the width of the court is $8.2\ m$, what is the length of the court in metres?	**H**	3.5
9	Find the distance between the coordinates $(2, -1)$ and $(0, -9)$.	**I**	32.2
10	Find the area in cm^2 of an isosceles triangle with sides of length $8\ cm$, $9\ cm$ and $9\ cm$.	**J**	34.1

1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**