NETS OF CUBES

COURSE/LEVEL

NSW Secondary High School Year 7 Mathematics.

Τορις

• Solids

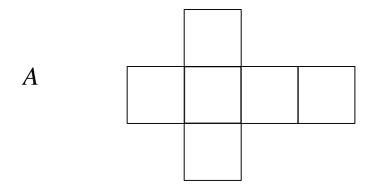
SUMMARY	Students work in small groups to investigate the nets of cubes.
EQUIPMENT	6 square shapes

EQUIPMENT6 square shapesThis worksheet (2 pages)Grid Paper

INSTRUCTIONS

1 As a group decide how would describe a cube to someone who doesn't know what one looks like. Discuss this briefly and write what you would say below.

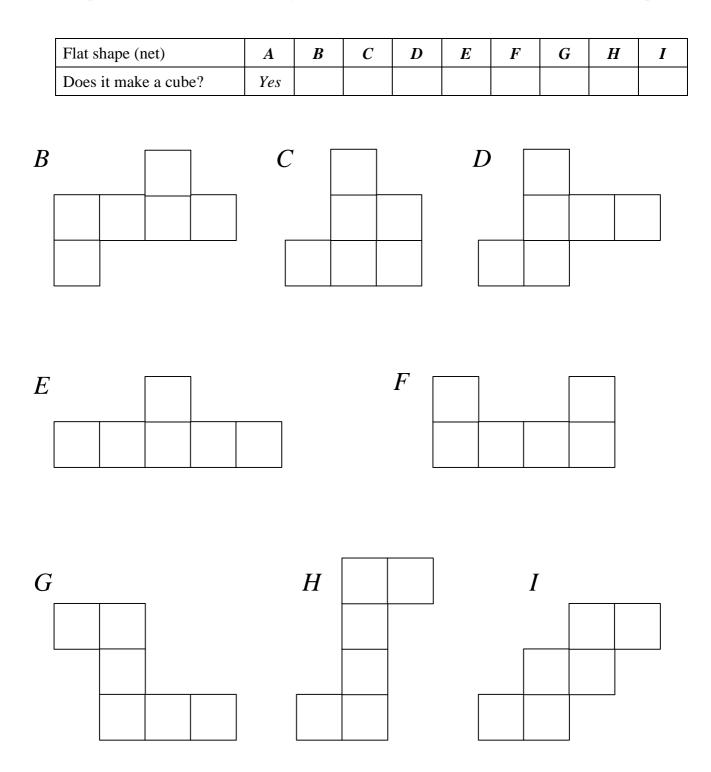
2 Take 6 squares and place them together flat on the desk to make the shape below:



Does this shape fold up to make a cube with no holes or bits left over?

3 Look at the nets on the next page. Check each one carefully and decide whether it would make a cube. If you are not sure, you can make it with your squares.

Complete the table below answering Yes / No for each one. A has been done as an example.



- 4 Use your piece of grid paper to make up as many other nets of cubes as you can. Remember to count only **different** nets.
- 5 When you think you have finished, use the answer sheet to mark your work for Questions 3 and 4.

NETS OF CUBES

Answers

Flat shape (net)	A	B	С	D	E	F	G	H	Ι
Does it make a cube?	Yes	Yes	No	Yes	No	No	No	Yes	Yes

The following nets may be folded to form a cube.

