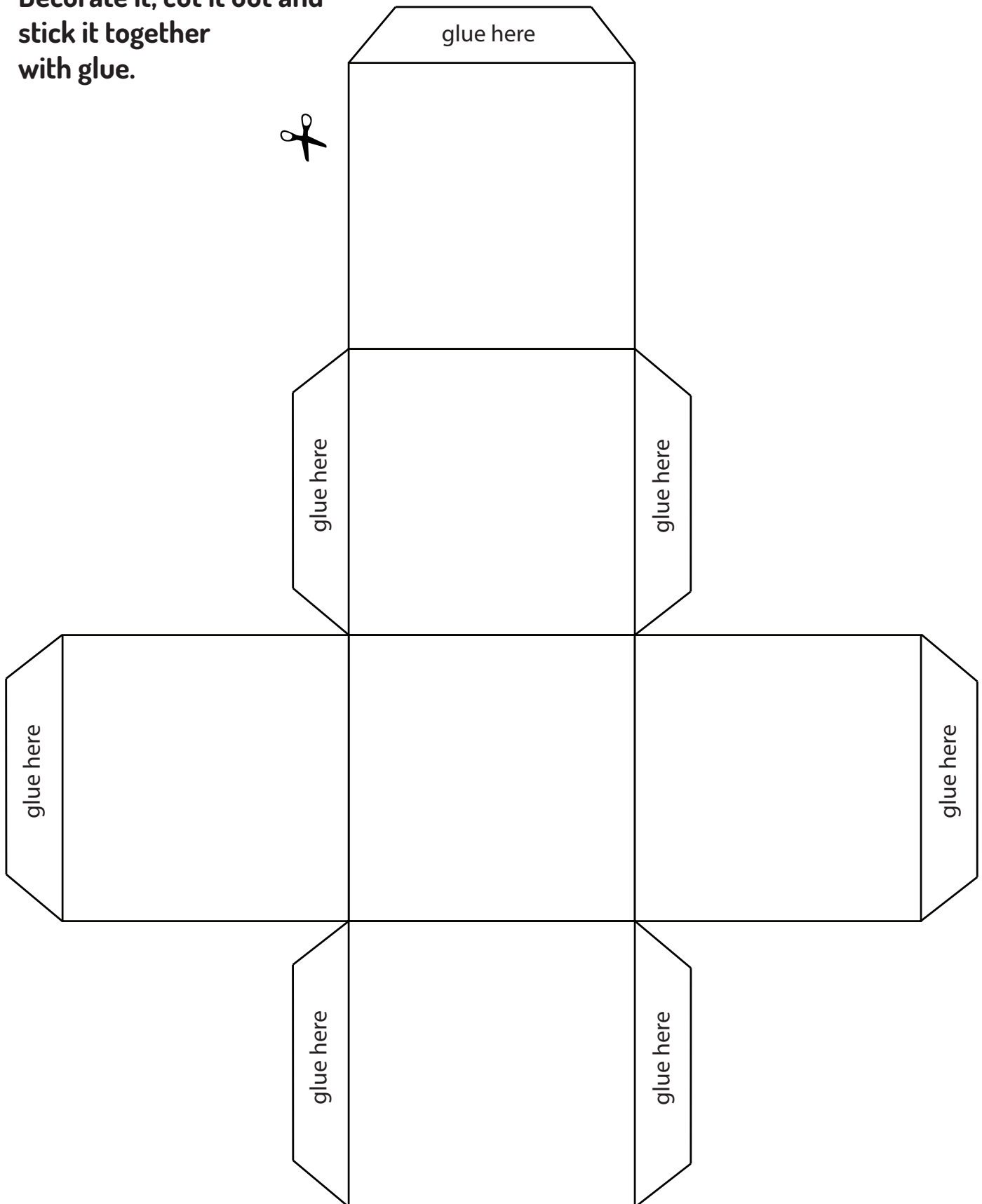


Key Stage 2	Created by InspirEd Workshops - Education Specialists. Book a workshop to support this lesson plan. www.inspiredworkshops.co.uk/bicschool	
Curriculum Subjects	Maths Art & Design Marketing	
Learning Objectives	Design a 3-D shape net (Create a box for an imaginary product) - see 'Invent & Promote a Magical Device' lesson plans	
Materials	BICKIDS® Visa® Felt Tip Pens Plain paper Scissors & rulers Glue Sticks	
Teacher Prep		Pupil Prep
Optional: Use this lesson to accompany our 'Invent & Promote a Magical Device' lesson plans.		Optional: Complete lesson worksheets for 'Promote a Magical Device'.
Lesson		
Optional Activity Ask the pupils to design their box using information gathered from the 'Plan' worksheet included in the 'Promote a Magical Device' lesson. The latter can be found in Teachers Corner at www.bickids.co.uk Make Use BICKIDS® Visa® Felt Tip Pens to decorate the shape net. Then cut out and stick together. Worksheet Answer the questions		
Learning Outcomes	Pupils will identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. Pupils draw lines and shapes using a straight edge	
Follow on Activities	Look around the classroom, what 3-D shapes can you find in everyday objects? Draw some nets for other shapes like pyramids, cuboids and prisms.	

Discover Teachers Corner at: www.bickids.co.uk

Created by www.inspiredworkshops.co.uk

This shape net will make a cube.
Decorate it, cut it out and
stick it together
with glue.



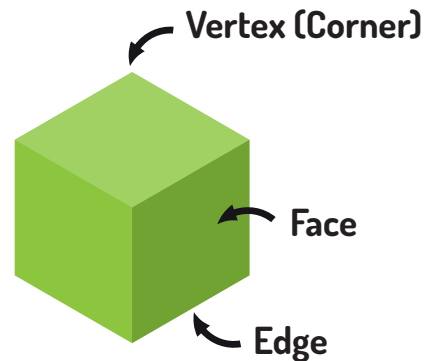
Cut out and make the cube from the 'Make' worksheet before you answer the questions below.

Look at your cube.

How many corners does it have?

How many faces does it have?

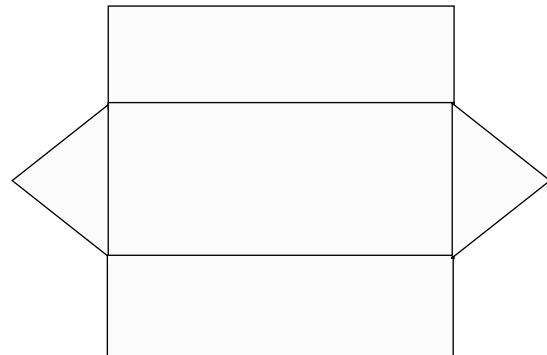
How many edges does it have?



What are these shapes called?



What shape will this net make?



Medium difficulty:

How many ways are there to make a cube? Try and find at least 2 more by making your own shape nets.

