Modelling





a) Circle the ball that would be best to use to model the Sun.



b) Circle the ball that would be best to use to model Jupiter.







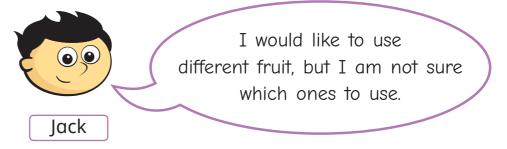
c) Circle the ball that would be best to use to model Earth.



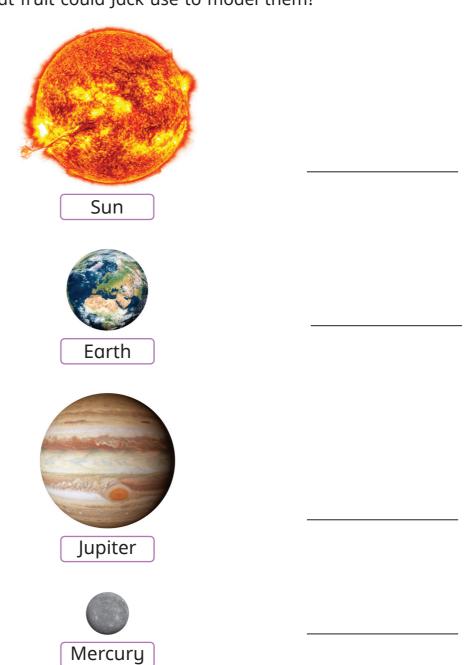




2 Jack wants to model the Sun, Earth, Jupiter and Mercury.



What fruit could Jack use to model them?



Are your answers the same or different to your partner?

Talk about your ideas with a partner.



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Annie has researched the size of the planets and wants to use different balls to model them.

She has drawn this table to compare the sizes of the planets.

Approximate diameter (km)	
4,879	
12,104	
12,756	
6,792	
142,984	
120,536	
51,118	
49,528	



a) Should Annie use the rugby ball to show a planet? Explain your answer.

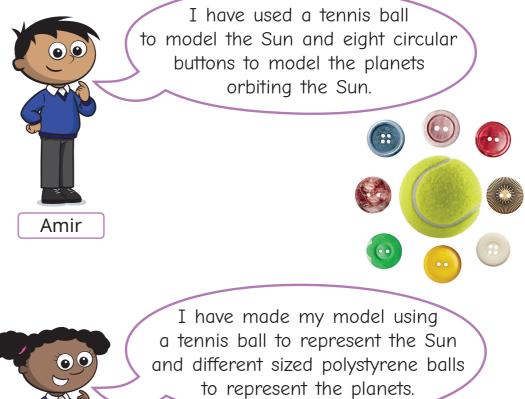
b) Which planet can be modelled using the basketball? Explain your answer.

c) Which planet can be modelled using the marble? Explain your answer.



4 Amir and Whitney have made different models of the Solar System.





Whitney

Compare the two models made by Amir and Whitney.

How could they improve their models?

Which model do you prefer and why?



