

Date

Name

Knowledge and skills catcher: Unbalanced forces

Some pupils used a catapult to fling different shaped balls (with the same mass) and measured how far they travelled. Calculate the average.

Surface area of ball	Distance travelled (centimetres)			
	Test 1	Test 2	Test 3	Average
Small	90	97	92	
Medium	60	62	64	
Large	41	42	40	

Question

What pattern is shown by the results?

Question

How could the catapult be changed to make all the balls travel further?
