

POWERFUL THINKING 4



<https://aiminghigh.aimssec.ac.za/powerful-thinking-4/>

Is the number
 $2^{666} + 6^{222}$
divisible by 5?

Investigate
lower powers
e.g. $2^6 + 6^2$

Investigate
patterns in
sequences of
last digits of
powers?

$$2^{666} + 6^{222}$$

$$3^{444} + 4^{333}$$

$$1^{999} + 9^{111}$$

POWERFUL THINKING

