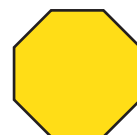
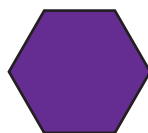
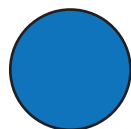


# Maths Challenge Cards



Are you a maths whizz ?

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- ★ Draw a hexagon and label the properties.
- ★ How many faces, edges and vertices does a cube have?
- ★ Describe a square based pyramid to a friend.  
Can they guess the shape?



# Maths Challenge Cards



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Y Z Y Z Y Z Y

★ Thinking caps at the ready!

★ Draw a row of Ys and Zs where 3 in every 5 letters is Z.

★ What proportion of the letters are Y?



# Maths Challenge Cards



Are you a maths whizz ?

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**$1/3$     $2/4$     $4/5$     $7/8$     $1/10$**

★ Draw a square and split it into eighths.

★ Shade half of them.

★ What fraction of the shape remains unshaded?



# Maths Challenge Cards



Are you a maths whizz ?

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- ★ Write a number sequence that includes - 4.
- ★ Complete: \_\_\_\_, -8, -5, \_\_\_\_, \_\_\_\_, \_\_\_\_,  
What is the 'rule' for the number sequence above?
- ★ Complete: 12, \_\_\_\_, 4, \_\_\_\_, \_\_\_\_, -8  
What is the 'rule' for the number sequence above?



# Maths Challenge Cards



Are you a maths whizz ?

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- ★ Which unit would you use to measure the weight of a banana? cm, ml, g, Kg
- ★ Which is heavier, 200g or 2 Kg?
- ★ Another way to write 5 Kg...
- ★ Which unit would you use to measure the length of a pencil? cm, M, ml, g, Kg
- ★ What items could you measure in g? Kg? ml? M?



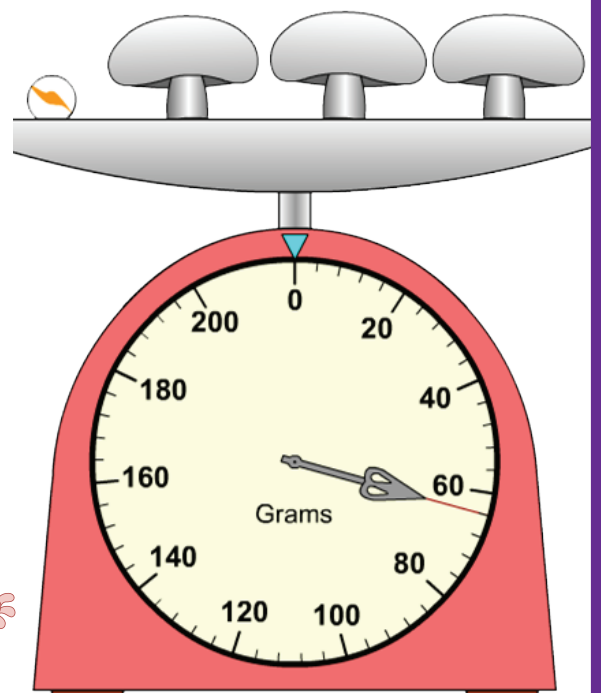
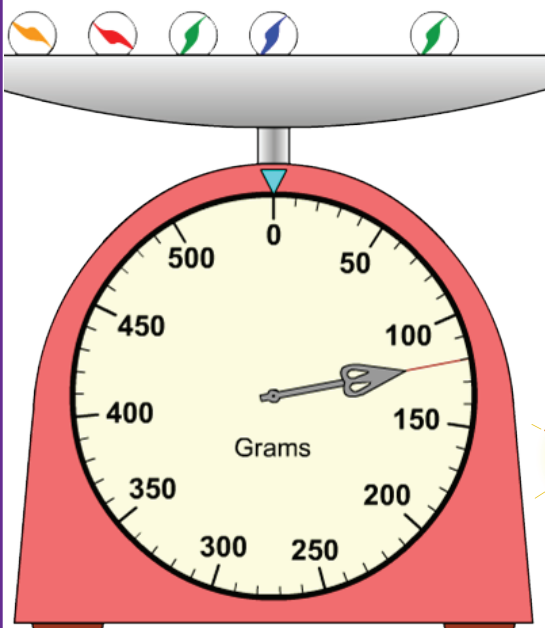
# Maths Challenge Cards



Are you a maths whizz ?

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★ Find the weight of one marble and one mushroom in grams.



# Maths Challenge Cards



Are you a maths whizz ?

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- ★ Pringles are 74p, sweets are £1.20/200g. How much does Sam pay for 2 tubes of Pringles and 400g of sweets?
- ★ How much change does Sam get from £5.00?
- ★ Andrew buys 3 tubes of Pringles and 500g of sweets. He pays with the smallest number of coins. Which coins does he pay with?





# Maths Challenge Cards



Are you a maths whizz ?

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★ The judges' scores for the USA diving team are: 19, 23, 52, 27.

China's diving team score: 63, 15, 37, 19.  
Who wins the Gold medal?

★ How many more points did the winning team get?

★ The team who won Bronze scored: 25, 26, 58 and X points.

How many points would they have needed from the last judge (X) to win the Gold medal?



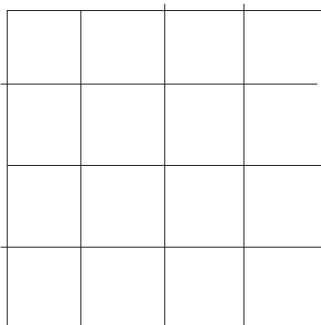


# Maths Challenge Cards



Are you a maths whizz ?

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★ Draw a 4 by 4 grid. Label the (horizontal) rows 1, 2, 3, 4. Label the (vertical) columns A, B, C, D.

★ Draw a dot in the square D4.

★ The dot moves 2 squares South and 3 squares West. What is its new position?



# Maths Challenge Cards



Are you a maths whizz ?

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6 1 8 2 6 1 8 2 6 1 8 2

- ★  $489? + 12?8 = 6154$ . What are the missing digits?
- ★ From the digit cards 6, 1, 8, 2 make a 2-digit square number.
- ★ Make a 2-digit multiple of 7 from the same digit cards.
- ★ Make a 2-digit factor of 64 from the same digit cards.

