

Challenge Cards – Draw pictograms (1-1)

Problem solving and reasoning cards:



The pictogram I have created is correct.

Is Jess correct?

Explain how you know.

Flower	Tally
Rose	
Daisy	
Tulip	
Snowdrop	

Flower	
Rose	●●●●●
Daisy	●●●●●●●●
Tulip	●●●●●●●●
Snowdrop	●●●●●

Use the clues to complete the pictogram.

- There are double the amount of rulers than rubbers.
- There are two less pens than pencils.

Item		Total
Pen		4
Pencil		
Ruler		
Rubber		4

This survey was taken by 22 people. True or false? Prove it.

Sport		Total
Netball	●●●●	
Cycling	●●●●●●	
Swimming	●●●●●●●	
Football	●●●●●	

Key: ● = 1 person.

Spot the mistake. Explain your answer.

Toppings	Tally
Cheese	
Mushroom	
Pepperoni	
Pineapple	

Toppings	
Cheese	●●●●●●●●
Mushroom	●●
Pepperoni	●●●●●●●
Pineapple	●●●●●

Challenge Cards – Draw pictograms (1-1)

Problem solving and reasoning cards:



The pictogram I have created is correct.

Is Jess correct?
Explain how you know.

No. There are only 5 snowdrops in the pictogram but 6 on the tally.

Flower	Tally
Rose	
Daisy	
Tulip	
Snowdrop	

Flower	
Rose	●●●●●
Daisy	●●●●●●●
Tulip	●●●●●●●●
Snowdrop	●●●●●

Use the clues to complete the pictogram.

- There are double the amount of rulers than rubbers.
- There are two less pens than pencils.

Item		Total
Pen	●●●●	4
Pencil	●●●●●●	6
Ruler	●●●●●●●●	8
Rubber	●●●●	4

This survey was taken by 22 people. True or false? Prove it.

Sport		Total
Netball	●●●●	4
Cycling	●●●●●●	6
Swimming	●●●●●●●	7
Football	●●●●●	5

True.
 $4 + 6 + 7 + 5 = 22$.

Key: ● = 1 person.

Spot the mistake. Explain your answer. There are 8 people who like pepperoni but the pictogram shows 7.

Toppings	Tally
Cheese	
Mushroom	
Pepperoni	
Pineapple	

Toppings	
Cheese	●●●●●●●●
Mushroom	●●
Pepperoni	●●●●●●●
Pineapple	●●●●●