The Mystery of the Missing Moji

In Moji-city, the mojis wake up to the news that there will be a new arrival: 'New Mojis Arrive Today!' Monkey moji can't believe his eyes, angry moji is even angrier than usual and happy girl moji waves her hands high in the air.

Happy smile moji decides that it would be a good idea to throw a welcoming party, to welcome the new mojis. Crazy moji thinks this is a great idea so they all start to prepare.

Later that day, the party is ready to begin. The banners are up, the balloons have been blown and the food is all prepared. All of the mojis gather to await their new arrival when all of a sudden, happy smile moji notices that someone is missing.

Sad moji is nowhere to be seen but some clues have been left behind. Can you find and solve the clues to help solve the mystery of who lost the missing moji?

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Moji Table of Facts

	Colour	Feeling	Mouth	Eyes	Accessory
	yellow	happy	smiling	arched	none
	brown	scared	smiling	hidden	none
	yellow	happy	smiling	hidden	sunglasses
	yellow	happy	smiling	love heart	heart eyes
	red	angry	sad	round	none
	yellow	excited	smiling	arched	clothes and hair
	yellow	sad	sad	arched	tear drop
	brown	happy	smiling	arched	none
	yellow	happy	smiling	arched	halo
	yellow	excited	smiling	half open half arched	none
	yellow	happy	none	none	none
	pink	loved	none	none	sparkles

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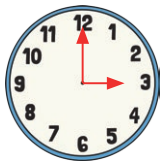
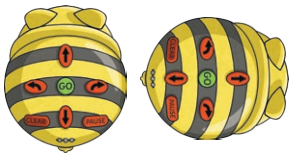
Clue 1 – True or False

Answer true or false to these statements.

	True ✓	False ✓
The number 24 has two tens.		
One less than 31 is 29.		
 This clock shows 3 o' clock. This clock shows half past 3.		
32 + 24 = 56		
A pentagon has 5 sides		
+ = 76p		
12 × 2 = 22		
15 divided by 3 = 5		
$\frac{1}{2}$ of 20 = 8		
 The Bee-Bot has turned 1 quarter clockwise.		

If there are more **true** statements, then the culprit is yellow.

If there are more **false** statements, then the culprit is not yellow.

Answer to clue 1:

The culprit is _____

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Clue 2 – Missing Numbers

Can you find the missing numbers?

12		16	18	20	22

20		30	35	40	45

22	24		28	30	32

45	40	35		25	20

20	30		50	60	70

30	35	40		50	55

Can you write them in order to complete the second clue?

14 The	42 face	16 there	30 a	50 old
45 mouth	26 has	25 culprit	24 new	40 smiling

Answer to clue 2:

_____

_____

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Clue 3 – Sorting 2D Shapes

Can you sort the shapes correctly?

4 sides or less	5 sides or more

The letters on the shapes with 4 sides or less combine to make a word that describes the culprit's feelings.

The culprit is: _____

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Clue 3 – Sorting 2D Shapes

Shapes to cut out

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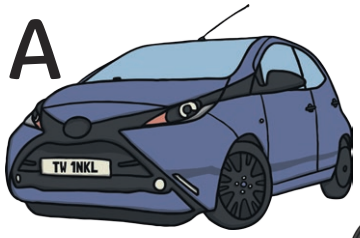
Clue 4 – Comparing Measures

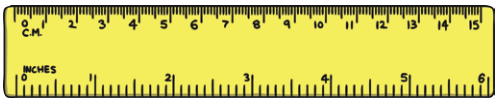
Can you compare the following?

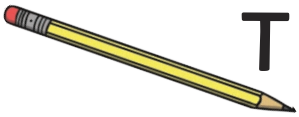
Draw a circle around the **heaviest** object.

A 

B

Draw a circle around the **longest** object.

R 



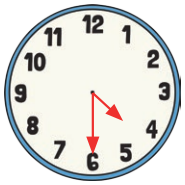
T

Draw a circle around the container that holds the **most** liquid.

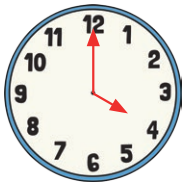
C

D

Draw a circle around the clock showing the **latest** time.

H 

p.m.



p.m.

G

Draw a circle around the coins the represents the **most** money.

ED

ND

Gather the letters from your answers.
What shape are the culprit's eyes?

Answer to Clue 4: _____

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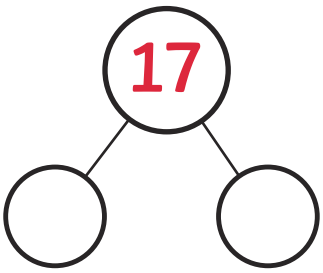
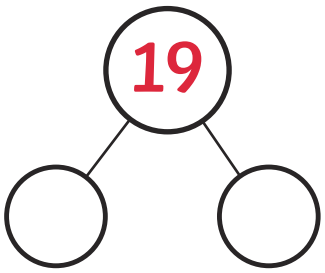
Clue 5 – Partitioning Numbers

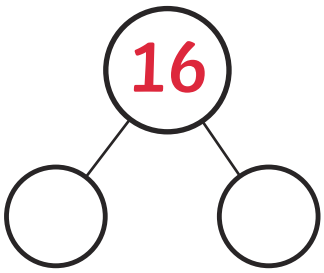
Can you partition the following numbers?



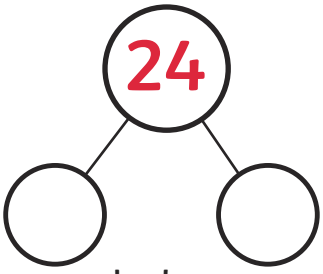
none



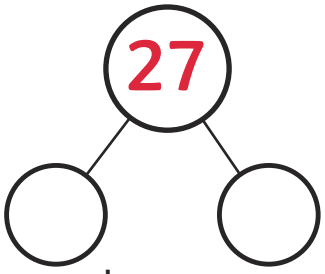
hearts



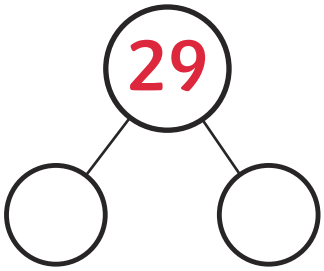
halo



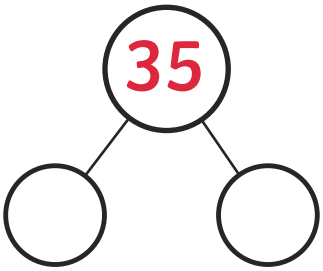
halo



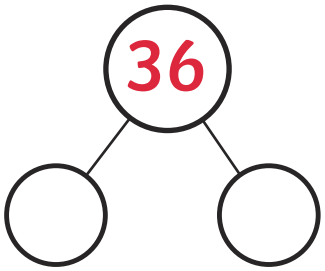
hearts



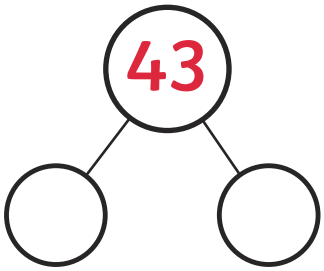
none



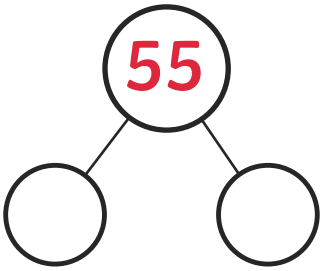
hearts



halo



none



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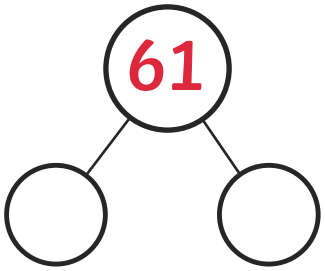
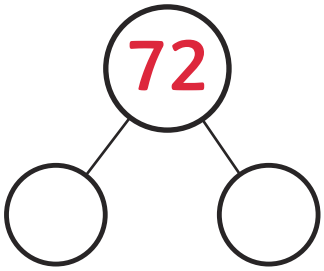


hearts



halo

Find all the answers where the top number is even.

The accessory that is underneath these answers will give you the final clue of what culprit wears.

Answer to Clue 5:_____

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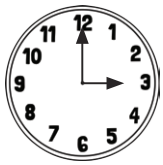
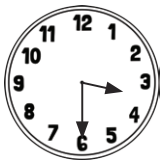
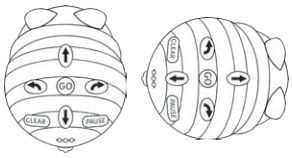
The Mystery of the Missing Moji **Answers**

Clue 1 – True or False

Answer true or false to these statements.

	True	False
The number 24 has two tens.	✓	
One less than 31 is 29.		✓
 This clock shows 3 o' clock. This clock shows half past 3. 	✓	
32 + 24 = 56	✓	
A pentagon has 5 sides	✓	
+ = 76p		✓
12 × 2 = 22		✓
15 divided by 3 = 5	✓	
$\frac{1}{2}$ of 20 = 8		✓
 The Bee-Bot has turned 1 quarter clockwise.	✓	

If there are more **true** statements, then the culprit is yellow.

If there are more **false** statements, then the culprit is not yellow.

Answer to clue 1:

The culprit is **yellow**

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The Mystery of the Missing Moji **Answers**

Clue 2 – Missing Numbers

Can you find the missing numbers?

12	**14**	16	18	20	22

20	**25**	30	35	40	45

22	24	**26**	28	30	32

45	40	35	**30**	25	20

20	30	**40**	50	60	70

30	35	40	**45**	50	55

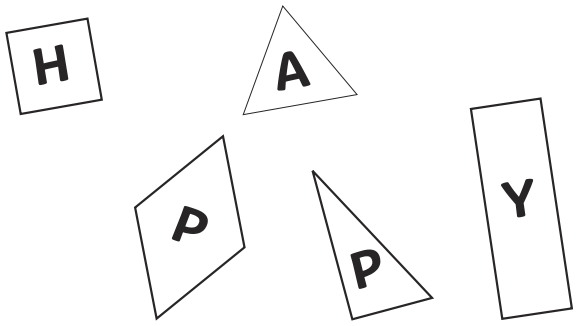
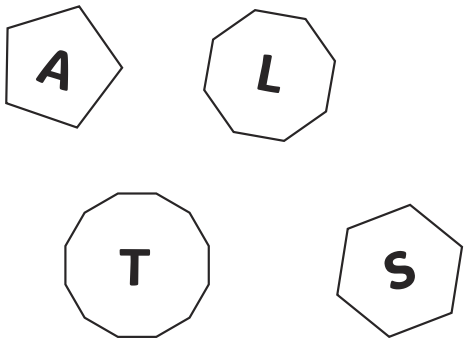
Can you write them in order to complete the second clue?

14 The	42 face	16 there	30 a	50 old
45 mouth	26 has	25 culprit	24 new	40 smiling

Answer to clue 2: **The culprit has a smiling mouth**

Clue 3 – Sorting 2D Shapes

Can you sort the shapes correctly?

4 sides or less	**5 sides or more**
	

The letters on the shapes with 4 sides or less combine to make a word that describes the culprit's feelings.

The culprit is: **happy**

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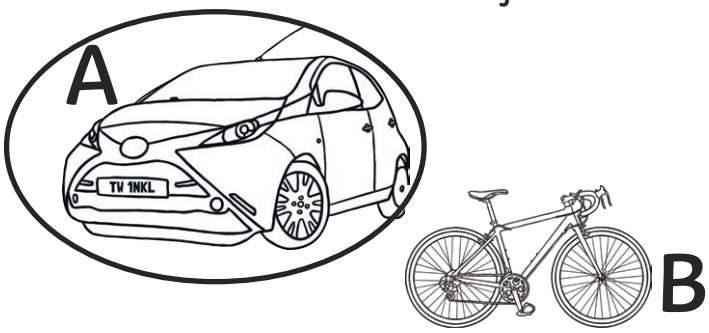
The Mystery of the Missing Moji **Answers**

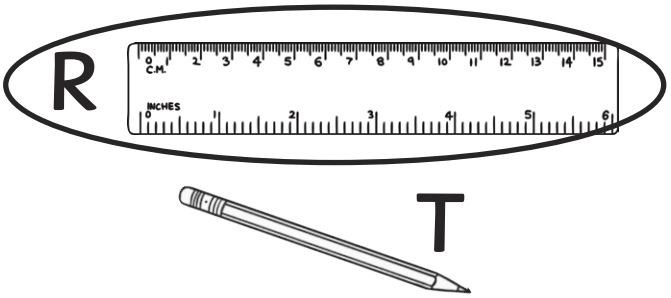
Clue 4 – Comparing Measures

Can you compare the following?

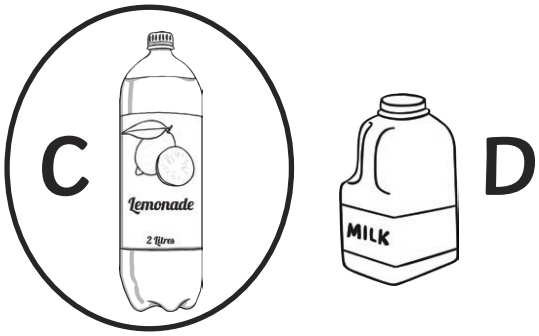
Draw a circle around the **heaviest** object.



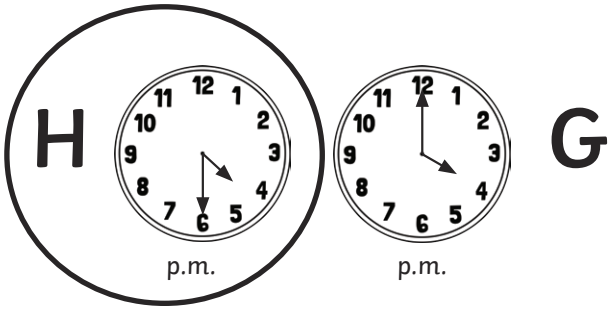
Draw a circle around the **longest** object.



Draw a circle around the container that holds the **most** liquid.



Draw a circle around the clock showing the **latest** time.



Draw a circle around the coins the represents the **most** money.

Gather the letters from your answers.
What shape are the culprit's eyes?

Answer to Clue 4: **arched**

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The Mystery of the Missing Moji **Answers**

Clue 5 – Partitioning Numbers

Can you partition the following numbers?

17 → 10, 7 none	19 → 10, 9 hearts	16 → 10, 6 halo
24 → 20, 4 halo	27 → 20, 7 hearts	29 → 20, 9 none
35 → 30, 5 hearts	36 → 30, 6 halo	43 → 40, 3 none
55 → 50, 5 none	61 → 60, 1 hearts	72 → 70, 2 halo

Find all the answers where the top number is even.

The accessory that is underneath these answers will give you the final clue of what culprit wears.

Answer to Clue 5: **halo**

The culprit was halo moji.

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