

The Mystery of the Spoiled Party Bags

Freddie has been looking forward to his birthday party for weeks. He has invited both friends and family to help him celebrate. There are party games, lots of snacks and party bags for everyone to enjoy when they get home. He hopes that everyone has a nice time.

However, disaster has struck!

When everyone is tired, full of food and it is time for them to go home, they find that someone has stolen some of the gifts from inside the party bags. Freddie is really upset. Who could have done such a mean thing?

As the local police officer, and a parent of one of the children at the party, you offer to help find the party bag spoiler. Can you solve the clues and send everyone home happily?



The Suspects

Name	Male or Female?	Age	Favourite Colour	Favourite Party Game	Party Bag Gift
Ben Costume	Male	10	red	musical bumps	ball
Fred Present	Male	12	blue	musical statues	blocks
Ilona Toy	Female	15	red	pass the parcel	whistle
Inka Teddy	Female	86	green	piñata	car
Ronald Cheer	Male	10	yellow	hide and seek	sweets
Jackie Joke	Female	12	violet	hide and seek	sweets
Kerry Joy	Female	9	green	musical bumps	ball
Kim Noisy	Female	50	blue	pass the parcel	whistle
Patrick Parcel	Male	86	red	piñata	ball
Lily Cool	Female	22	yellow	hide and seek	blocks
Mike Laugh	Male	50	green	musical statues	car
Oliver Music	Male	19	violet	hide and seek	sweets
Karina Piñata	Female	86	yellow	pass the parcel	car
Philip Jelly	Male	22	blue	musical statues	car
Robbie Song	Male	48	green	pass the parcel	ball
Lauren Cake	Female	15	red	piñata	whistle
Ryan Hat	Male	9	blue	musical bumps	whistle
Sam Game	Male	5	blue	piñata	blocks
Simon Conga	Male	50	red	hide and seek	car
Sophie Party-Bag	Female	5	violet	pass the parcel	ball
Steve Dance	Male	50	green	hide and seek	car
Sue Sweet	Female	10	red	piñata	sweets
Thomas Prize	Male	12	yellow	pass the parcel	whistle
Violet Trampoline	Female	9	violet	pass the parcel	blocks

Clue 1: True or False

Identify whether these mathematical statements are true or false.

If there are more true answers, the culprit is **female**.

If there are more false answers, the culprit is **male**.



	True	False
$20 \times 8 = 2 \times 80$		
$94 + 50 = 134$		
$72 - 25 = 57$		
$54 \div 9 = 6$		
$997 - 771 = 226$		
$48 \div 8 = 73$		
$42 \times 2 = 94$		
$650 + 803 = 1453$		
$11 + 17 = 75$		
$20 \times 4 = 80$		
$541 - 88 = 453$		
$30 \div 1 = 31$		
$864 \times 0 = 864$		
$903 + 907 = 1810$		
$394 - 369 = 25$		



Clue 1: The thief is _____.

Clue 2: Number Sequences

Identify how each number sequence is increasing or decreasing.

Find the next three numbers in each sequence.

Take the final number in each sequence and circle it in the grid below.

Rearrange the circled words to discover the second clue.

 28	 35	 42			
 15	 18	 21			
 7	 14	 21			
 8	 16	 24			
 24	 30	 36			
 14	 12	 10			
 75	 100	 125			
 40	 35	 30			

200 parcel	48 the	2 least	40 bumps	4 culprit
190 hide	73 seek	42 the	16 hunt	54 the
15 enjoys	63 game	56 musical	30 pass	18 statues

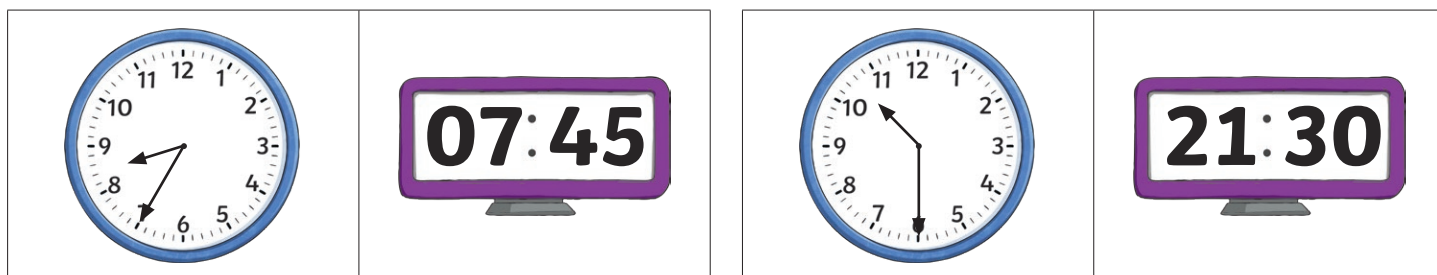
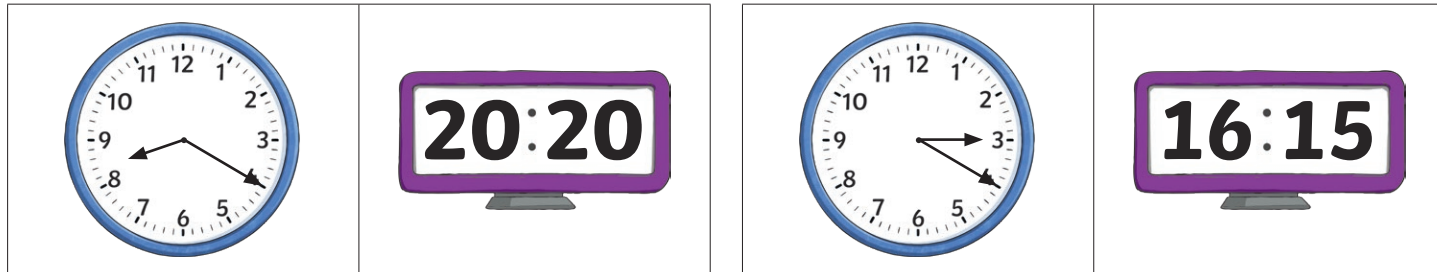
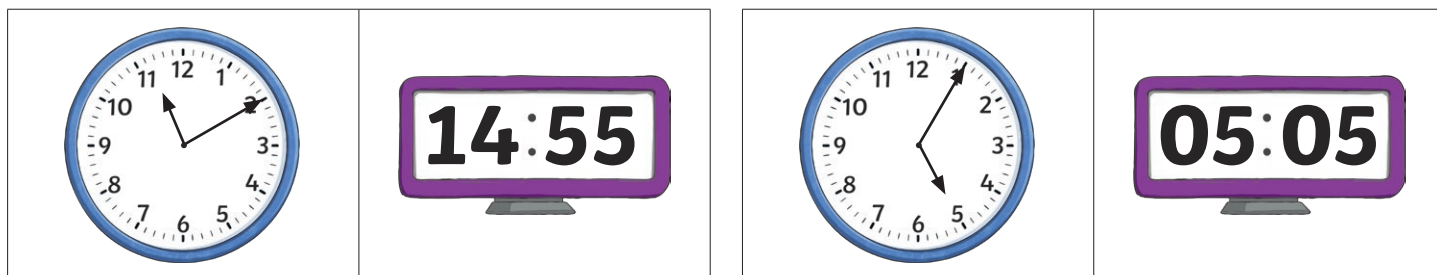
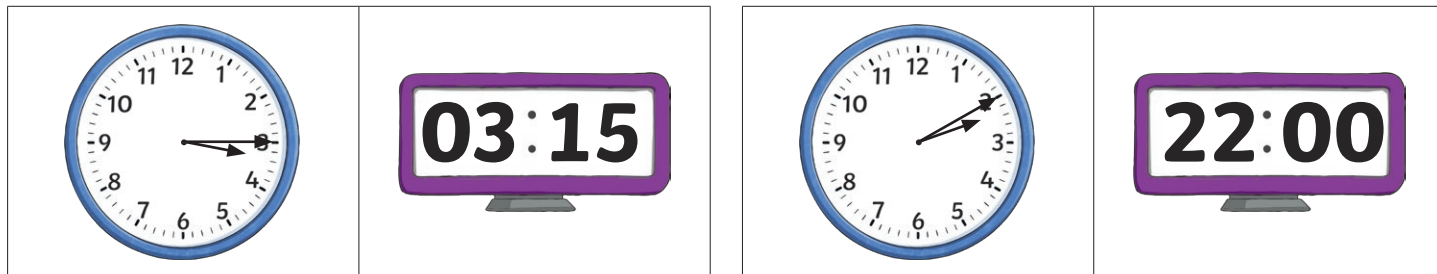
Clue 2: _____

Clue 3: Clock Match-Up

Identify whether these pairs of analogue and digital clocks tell the same time.

If there are more pairs of clocks that **do** tell the same time, the culprit is **older than 20**.


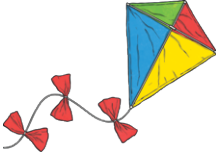



If there are more pairs of clocks that **don't** tell the same time, the culprit is **younger than 20**.



Clue 3: The culprit is _____.

Clue 4: Toy Totals

Identify the total costs of the toys in each question. Circle the answers in the grid below. Rearrange the circled words to discover the fourth clue.

 £76.99	 £2.83	 £10.33
 £17.91	 £11.78	 £20.11

 +
  = _____

 +
  = _____

 +
  = _____

 +
  = _____

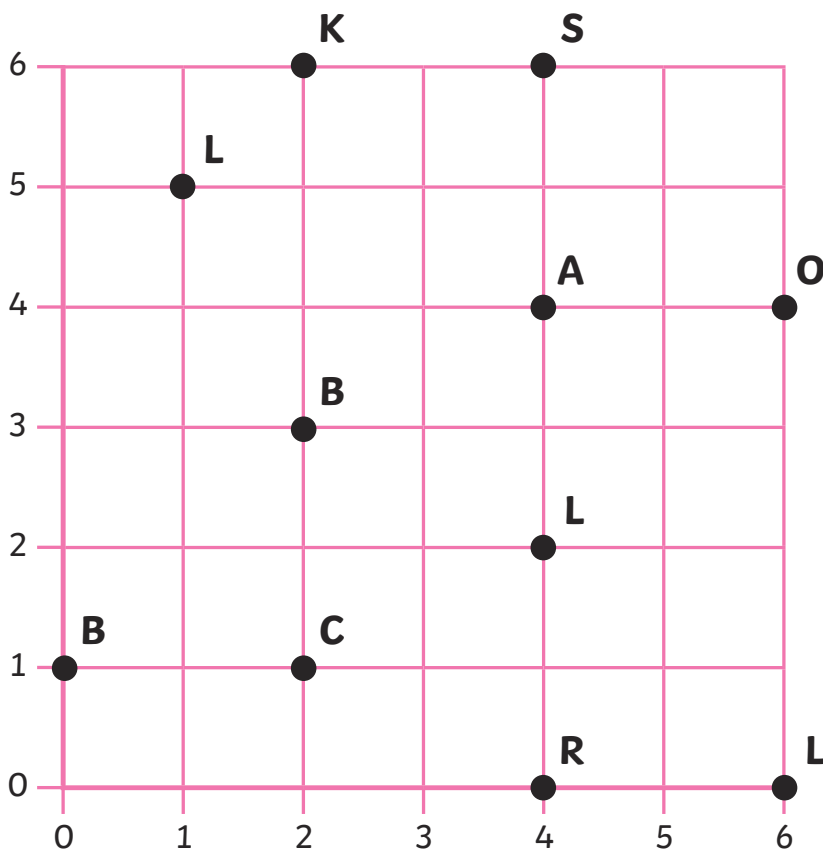
 +
  = _____

 +
  = _____

£13.16 colour	£10.16 green	£30.44 violet	£97.10 the
£79.82 is	£38.02 culprit's	£89.41 brown	£62.34 white
£41.89 orange	£58.12 yellow	£31.89 favourite	£10.97 black

Clue 4: _____

Clue 5: Party Bag Coordinates



Identify the letters which are at the coordinate positions below.



(0,1)



(4,2)



(6,4)



(2,1)



(2,6)



(4,6)



Clue 5: The toy in the culprit's party bag is _____.

Have you solved all the clues and worked out who the culprit is?

The culprit is: _____

The Mystery of the Spoiled Party Bags **Answers**

Clue 1: True or False

	True	False
$20 \times 8 = 2 \times 80$	✓	
$94 + 50 = 134$		X
$72 - 25 = 57$		X
$54 \div 9 = 6$	✓	
$997 - 771 = 226$	✓	
$48 \div 8 = 73$		X
$42 \times 2 = 94$		X
$650 + 803 = 1453$	✓	
$11 + 17 = 75$		X
$20 \times 4 = 80$	✓	
$541 - 88 = 453$	✓	
$30 \div 1 = 31$		X
$864 \times 0 = 864$		X
$903 + 907 = 1810$	✓	
$394 - 369 = 25$	✓	

Clue 1: The thief is **female**.


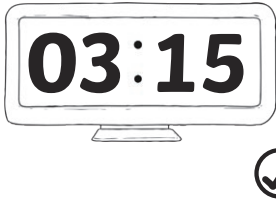


Clue 2: Number Sequences

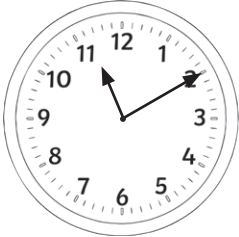
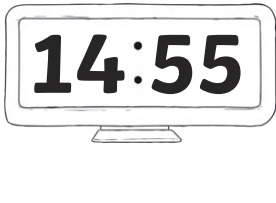
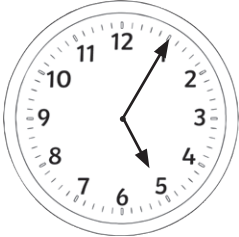



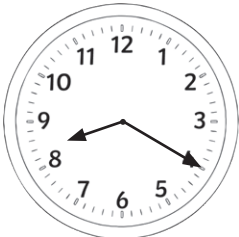
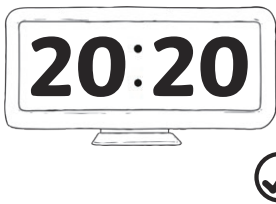
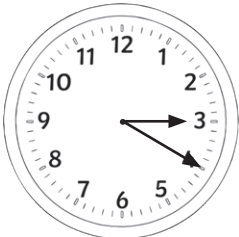
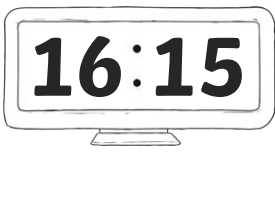
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190 hide	73 seek	42 the	16 hunt	54 the
15 enjoys	63 game	56 musical	30 pass	18 statues

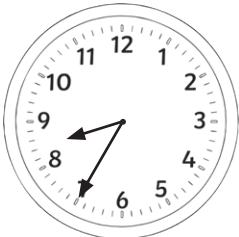
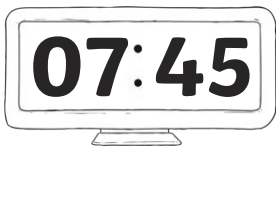
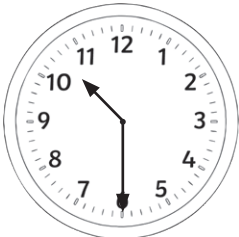
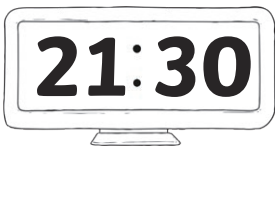
Clue 2: The culprit enjoys the game 'pass the parcel'.

Clue 3: Clock Match-Up

			
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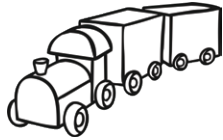
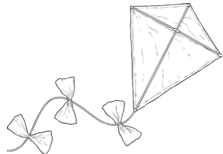



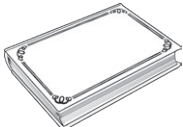
			
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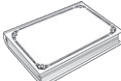
			
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Clue 3: The culprit is **younger than 20**.

Clue 4: Toy Totals

 £76.99	 £2.83	 £10.33
 £17.91	 £11.78	 £20.11



 +  = £79.82

 +  = £30.44

 +  = £38.02

 +  = £13.16

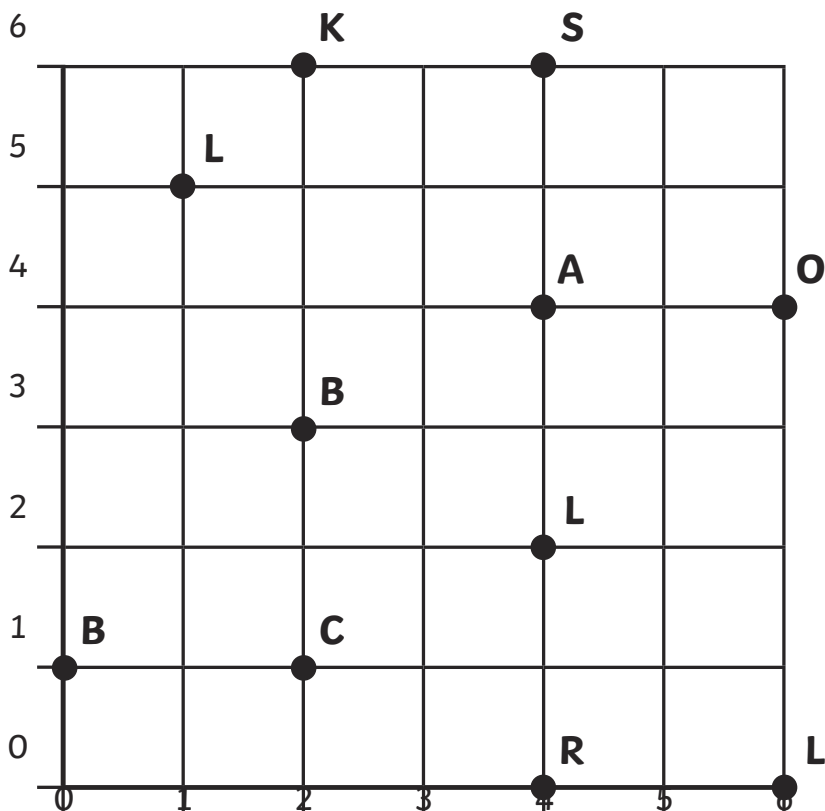
 +  = £31.89

 +  = £97.10

£13.16 colour	£10.16 green	£30.44 violet	£97.10 the
£79.82 is	£38.02 culprit's	£89.41 brown	£62.34 white
£41.89 orange	£58.12 yellow	£31.89 favourite	£10.97 black

Clue 4: The culprit's favourite colour is violet.

Clue 5: Party Bag Coordinates



B

(0,1)

L

(4,2)

O

(6,4)

C

(2,1)

K

(2,6)

S

(4,6)

Clue 5: The toy in the culprit's party bag is **blocks**.

The culprit is: **Violet Trampoline**