

The Mystery of the Missing Chocolates

Instructions

The goblins that live on Valentine Island have a particular liking for strawberry, heart-shaped chocolates. The goblins work in the chocolate factory, packing chocolates into the boxes ready for their busiest time of the year; Valentine's Day.

The boxes go along the conveyor belt to the checking room. It is here that there appears to have been a crime committed! All the strawberry, heart-shaped chocolates have been stolen from the Deluxe Boxes!

As Detective Chief Inspector, it is up to you and your team to uncover the sweet-toothed thief!

Your team have taken a description of all the goblins working on the factory floor that day. Solve the clues to unmask the chocolate fiend!

Descriptions of the goblins:

Name	Male or Female	Height	Hair Colour	Type of Ears	Hat Colour
Gizmo	M	Tall	Black	Pointy	Red
Gibbo	M	Short	Orange	Straight	Red
Lolly	F	Short	Blonde	Pointy	Green
Norbert	M	Tall	Black	Straight	Red
Gilly	F	Short	Black	Pointy	Green
Wimble	M	Tall	Blonde	Straight	Green
Fern	F	Short	Black	Pointy	Red
Trimble	M	Tall	Orange	Straight	Green
Bumble	F	Short	Orange	Pointy	Red
Jimbo	M	Tall	Black	Pointy	Green
Kitty	F	Short	Black	Straight	Red

Goldie	F	Tall	Blonde	Pointy	Red
Frim	F	Short	Black	Pointy	Green
Krissy	M	Tall	Black	Straight	Green
Lumpy	M	Short	Blonde	Pointy	Red

Clue 1

Answer the maths statements and colour in the answers in the table below. Use the coloured words to put into a sentence and work out the first clue.

1 because	2 hat	3 tall	4 beard	5 when	6 was
7 red	8 that	9 orange	10 the	11 pointy	12 how
13	14 chocolate	15 an	16 male	17 have	18 lost
19 thief	20 female	21 yellow	22 jump	23 very	24 stole

$$5 + 5 =$$

$$9 + 5 =$$

$$26 - 7 =$$

$$2 + 2 + 2 =$$

$$30 - 7 =$$

$$15 - 12 =$$

Clue: _____

Clue 2

Solve the maths statements. Colour the odd answers blue and the even answers red. If there are more odd answers than even ones, the thief is male.

$28+10=$	$13-4=$	$22+7=$	$12-6=$	$81+8=$
$15+15=$	$42-7=$	$13+12=$	$55-12=$	$67+3=$

Clue: _____

Clue 3

Work out the fractions and colour the correct answers. Use the words to work out the next clue.

10	scene	4	a	7	hat
15	red	3	the	20	found
5	near	18	hair	6	crime
9	green	11	was	12	blonde

$\frac{1}{2}$ of 20 =	$\frac{1}{4}$ of 16 =	$\frac{1}{2}$ of 14 =	$\frac{1}{4}$ of 12 =	$\frac{1}{2}$ of 40 =
$\frac{1}{4}$ of 20 =	$\frac{1}{4}$ of 24 =	$\frac{1}{2}$ of 18 =	$\frac{1}{2}$ of 22 =	

Clue: _____

Clue 4

Continue the patterns by counting in 2s. Colour in the last number in each pattern, then find the words in the table below to work out the next clue. Write the words in the correct order.

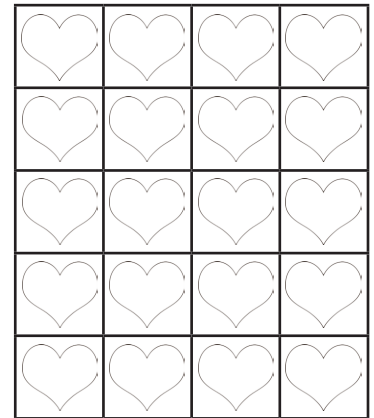
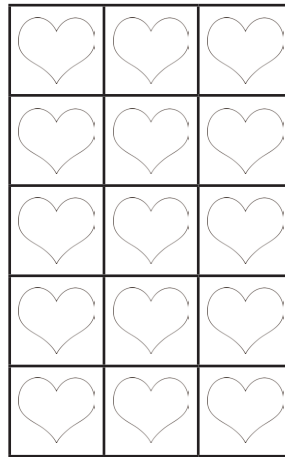
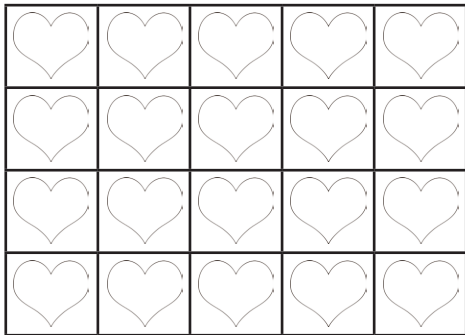
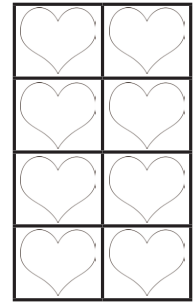
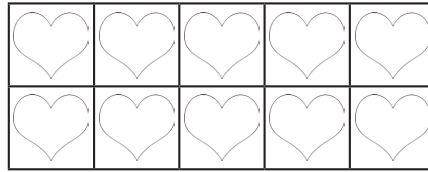
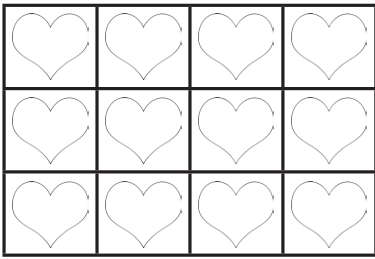
12	—	—	—	—	—
7	—	—	—	—	—
16	—	—	—	—	—
13	—	—	—	—	—
22	—	—	—	—	—
19	—	—	—	—	—
33	—	—	—	—	—

26	13	32	43	9	29
was	blonde	the	scene	orange	hair
63	22	23	41	17	27
to	found	at	long	black	next

Clue: _____

Clue 5

Work out the totals in the arrays. Find the numbers in the table below and colour them in. Write out the words on the lines and work out the last clue.



11 goblin	22 had	10 the	50 red	16 short	1 naughty	20 ears
38 laugh	12 chocolate	100 hat	72 female	15 thief	17 hid	28 beside
18 ate	29 stole	20 pointy	30 because	14 as	8 had	2 for

Clue: _____

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Answers

Clue 1

Answer the maths statements and colour in the answers in the table below. Use the coloured words to put into a sentence and work out the first clue.

1 because	2 hat	3 tall	4 beard	5 when	6 was
7 red	8 that	9 orange	10 the	11 pointy	12 how
13	14 chocolate	15 an	16 male	17 have	18 lost
19 thief	20 female	21 yellow	22 jump	23 very	24 stole

$$5 + 5 = \underline{10}$$

$$9 + 5 = \underline{14}$$

$$26 - 7 = \underline{19}$$

$$2 + 2 + 2 = \underline{6}$$

$$30 - 7 = \underline{23}$$

$$15 - 12 = \underline{3}$$

Clue: The chocolate thief was very tall.

Clue 2

Solve the maths statements. Colour the odd answers blue and the even answers red. If there are more odd answers than even ones, the thief is male.

$28+10=38$	$13-4=\underline{9}$	$22+7=\underline{29}$	$12-6=6$	$81+8=\underline{89}$
$15+15=30$	$42-7=\underline{35}$	$13+12=\underline{25}$	$55-12=\underline{43}$	$67+3=70$

Clue: There are more odd answers. The thief is male.

Clue 3

Work out the fractions and colour the correct answers. Use the words to work out the next clue.

<u>10</u>	<u>scene</u>	<u>4</u>	<u>a</u>	<u>7</u>	<u>hat</u>
15	red	<u>3</u>	<u>the</u>	<u>20</u>	<u>found</u>
<u>5</u>	<u>near</u>	18	hair	<u>6</u>	<u>crime</u>
<u>9</u>	<u>green</u>	<u>11</u>	<u>was</u>	12	blonde

$1/2 \text{ of } 20 = \underline{10}$ $1/4 \text{ of } 16 = \underline{4}$ $1/2 \text{ of } 14 = \underline{7}$ $1/4 \text{ of } 12 = \underline{3}$ $1/2 \text{ of } 40 = \underline{20}$

$1/4 \text{ of } 20 = \underline{5}$ $1/4 \text{ of } 24 = \underline{6}$ $1/2 \text{ of } 18 = \underline{9}$ $1/2 \text{ of } 22 = \underline{11}$

Clue: A green hat was found near the crime scene.

Clue 4

Continue the patterns by counting in 2s. Colour in the last number in each pattern, then find the words in the table below to work out the next clue. Write the words in the correct order.

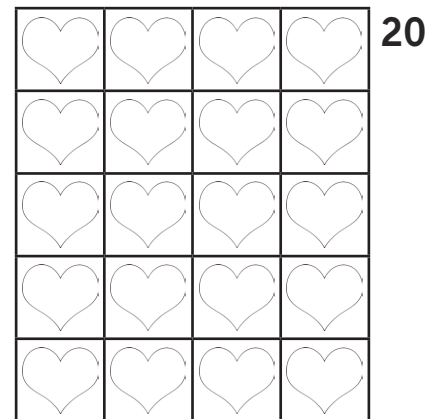
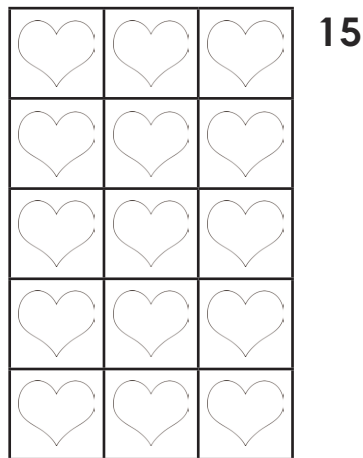
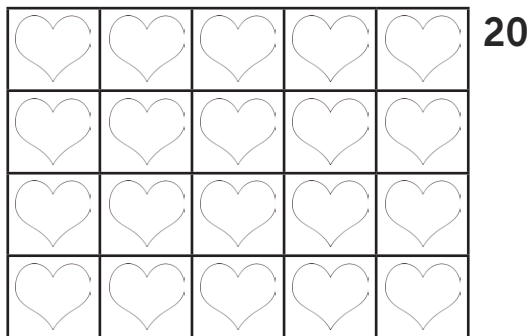
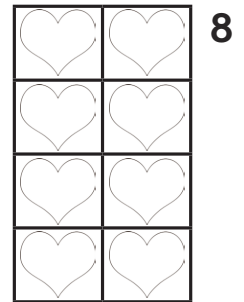
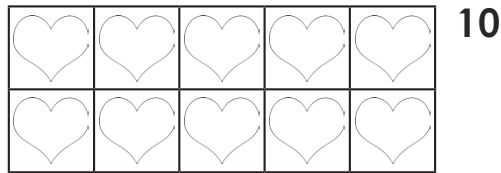
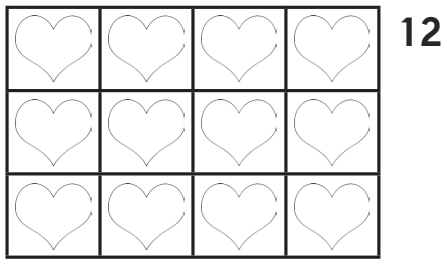
12	14	16	18	20	22
7	9	11	13	15	17
16	18	20	22	24	26
13	15	17	19	21	23
22	24	26	28	30	32
19	21	23	25	27	29
33	35	37	39	41	43

26	13	32	43	9	29
<u>was</u>	blonde	<u>the</u>	<u>scene</u>	orange	<u>hair</u>
63	22	23	41	17	27
to	<u>found</u>	<u>at</u>	long	<u>black</u>	next

Clue: Black hair was found at the scene.

Clue 5

Work out the totals in the arrays. Find the numbers in the table below and colour them in. Write out the words on the lines and work out the last clue.



11 goblin	22 had	<u>10</u> the	50 red	16 short	1 naughty	<u>20</u> ears
38 laugh	<u>12</u> chocolate	100 hat	72 female	<u>15</u> thief	17 hid	28 beside
18 ate	29 stole	<u>20</u> pointy	30 because	14 as	<u>8</u> had	2 for

Clue: The chocolate thief had pointy ears. The thief is Jimbo!