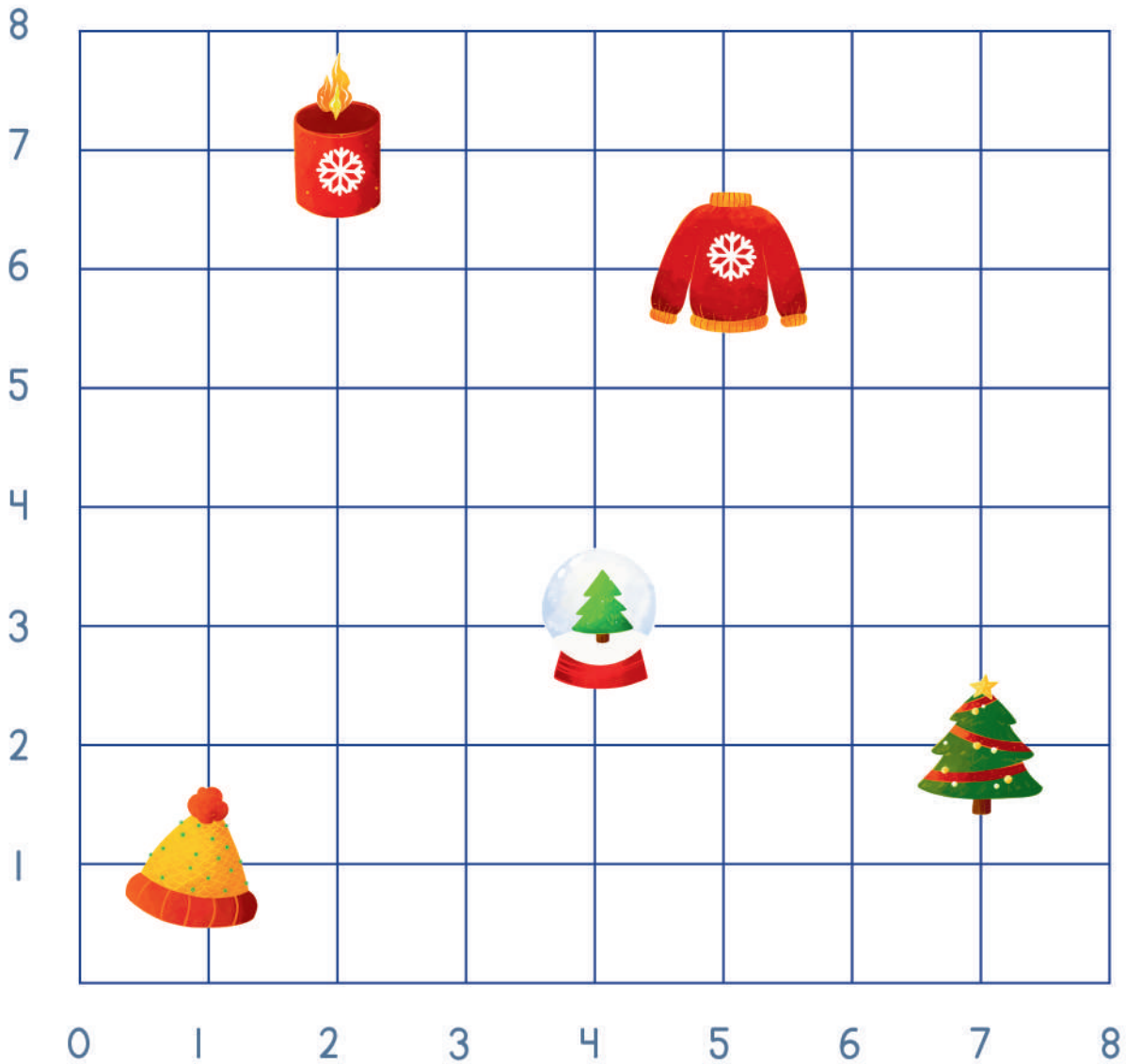


Christmas Grid

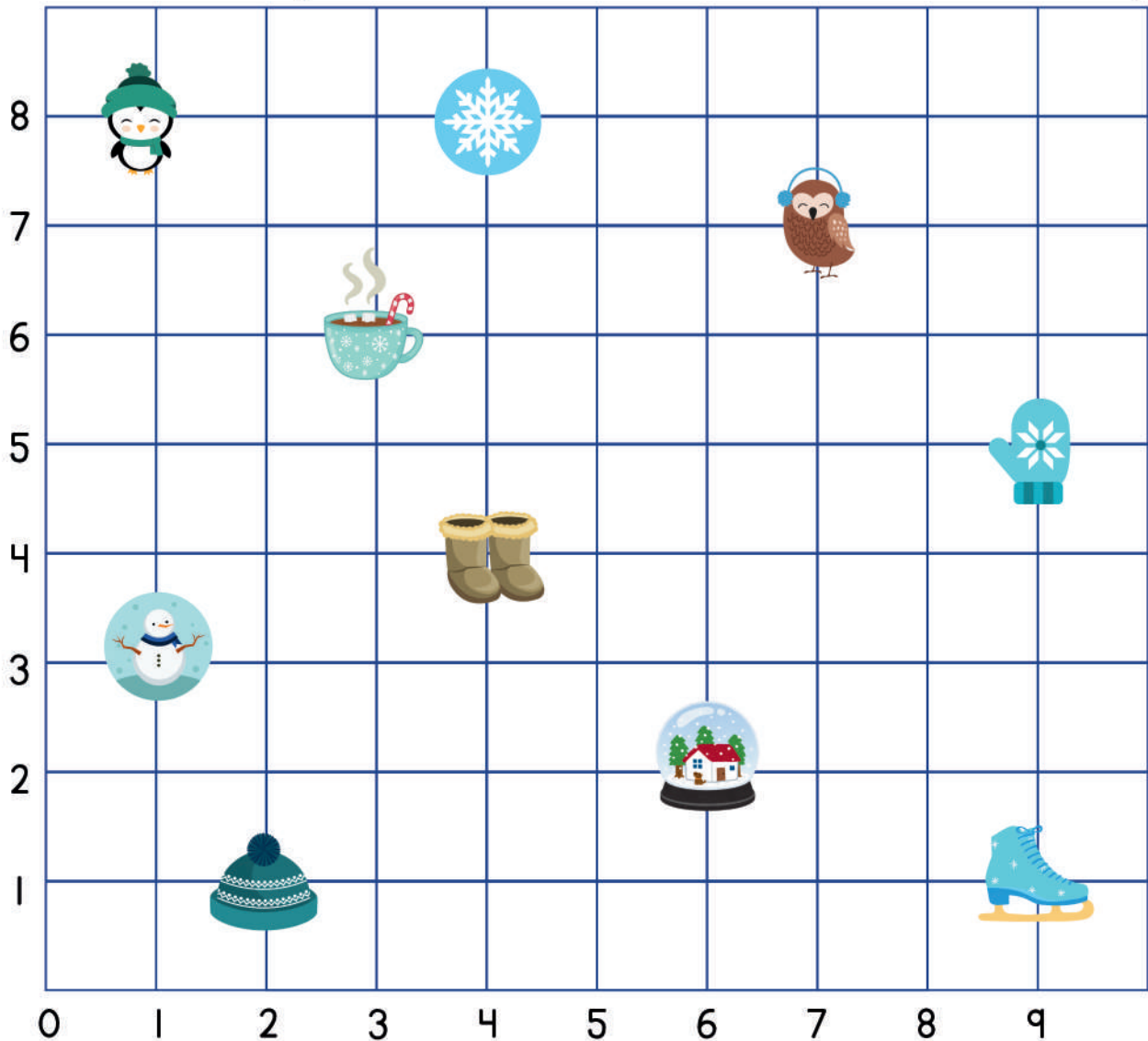
Locate each Christmas object and write the coordinates of its point. (x, y)



    
(,) (,) (,) (,) (,)

Christmas Grid

Locate each object and write the coordinates of its location. (x, y)








 (,) (,) (,) (,) (,)






 (,) (,) (,) (,) (,)

Christmas Math Puzzle

$$\text{🎄}^2 = 16$$

$$\text{🏠} \times \text{🎄} = 36$$

$$\text{🎄}^3 = 1$$

$$3(\text{🎁} + \text{🎁}) \div 2 = 6$$

$$\text{❄️} - \text{🎄} \times \text{🎄} = 3$$

$$\text{❄️}^2 - \text{🎄} \times \text{🏠} = 13$$

$$\text{🎁} + \text{🎄} - \text{🏠} = -2$$

$$\text{🎁}^2 \times \text{❄️} - \text{🎄} \times \text{🏠} = 8$$

$$\text{🏠} \times \text{🎄} \div \text{🎁} \times \text{🎄} =$$

$$(\text{🎄} + \text{🎁}) \times (\text{🏠} - \text{🎁}) =$$

$$\sqrt{\text{🏠}^2 - \text{🎄}^2} =$$

$$\text{🏠} = \square$$

$$\text{🏠} = \square$$

$$\text{🎁} = \square$$

$$\text{🎄} = \square$$

$$\text{🎄} = \square$$

$$\text{❄️} = \square$$

Super Tricky! Christmas Puzzles

$$\text{Green} + \text{Yellow} + \text{Green} = 12$$

$$\text{Green} - \text{Green} + \text{Green} = 4$$

$$10 \text{ Yellow} = 30$$

$$\text{Yellow} + \text{Green} = 18$$

$$\text{Green} + \text{Yellow} + \text{Green} =$$

$$16 - \text{Yellow} = \text{Green}$$

$$\text{Yellow} + \text{Yellow} = 12$$

$$\text{Yellow} + \text{Yellow} + \text{Yellow} = 15$$

$$\text{Green} \div \text{Green} = 3$$

$$(\text{Yellow} + \text{Yellow}) \div \text{Green} =$$

$$(\text{Green} + \text{Yellow}) \div (\text{Yellow} - \text{Green}) = 6$$

$$\text{Green} + \text{Yellow} = 12$$

$$\text{Green} - \text{Yellow} = 2$$

$$\text{Green}^2 = 9$$

$$(\text{Green} + \text{Yellow}) \times (\text{Yellow} + \text{Green}) = 108$$

$$9 \text{ Green} - 3(\text{Green} + \text{Yellow}) = 9$$

$$\text{Green} =$$

$$\text{Yellow} =$$

$$\text{Yellow} =$$

$$\text{Green} =$$

$$\text{Green} =$$

CHRISTMAS GRAPH





Find and graph the items listed. Then answer the questions below.



10				
9				
8				
7				
6				
5				
4				
3				
2				
1				



How many of each?

<input type="text"/>		<input type="text"/>	
<input type="text"/>		<input type="text"/>	

Which item did you find the most of?

Which item did you find the least of?

MATH MATCH

Color each problem and its matching answer the same color. Use different colors for each pair.



	48		10		$3 \times 3 \times 8$
8^2		$2(3+2)$		$(2+3) \times (4+4)$	
	40		$15-5^2$		72
$7 \times 6 - 12 \times 0$		-10		20	
	8×6		$7-2 \times 3$		$(4+3) \times (3+5)$
64		42		17	
	40		1		$12 \times 5 \div 3$
$(9-5) \times (7+2)$		$7^2 - 3^2$		56	
	$4 \times 4 - 3 \times 5$		72		18
56		$12(2 \times 4)$		$3 \times 3 + 4 \times 2$	
	36		1		$(6+3) \times (9-1)$
$8(3+4)$		96		$9 \times 4 \div 2$	

NUMBER SENTENCES

Players take turns coloring a line of numbers, horizontally, vertically, or diagonally that make a multiplication number sentence. They can be in any order. The last player to be able to color a number sentence is the winner. Numbers can be reused.

For example:

$$2 \times 5 = 10$$

10	2	5
----	---	---



GAME 1				
4	2	2	5	10
8	3	5	5	25
32	6	10	25	6
6	36	6	8	48
24	12	2	4	8
72	4	6	24	3
2	9	18	5	24
8	12	3	4	10
16	4	4	20	5
2	8	2	10	7
32	4	8	2	35

GAME 2				
3	12	4	6	24
8	6	1	2	72
24	2	48	12	4
32	4	8	5	72
2	5	6	3	2
40	30	2	15	8
20	2	10	2	5
4	4	16	30	15
5	8	40	15	3
3	6	18	2	9
15	48	12	4	3

CHRISTMAS PAIRS & TRIOS

Find pairs and trios of numbers that add up to 25. Christmas Day! Players take turns coloring 2 or 3 numbers, anywhere on the board, that add up to 25. Numbers do not have to adjoin each other. Numbers cannot be reused. The last player to be able to color a pair or trio is the winner.



GAME 1				
20	12	13	7	9
9	5	9	16	15
10	11	5	5	10
5	17	10	20	3
3	6	3	20	3
13	3	4	6	22
19	11	6	8	11
6	12	7	18	4
7	13	10	13	12
6	8	21	9	1
15	6	8	13	12












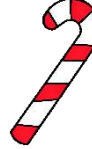



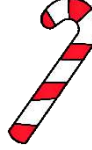
GAME 2				
6	12	7	18	4
5	17	10	20	5
3	13	3	20	3
21	12	3	7	9
9	10	9	16	15
13	20	5	7	10
15	6	8	13	12
11	12	6	9	1
8	13	10	19	6
13	3	4	6	22
8	11	6	5	11

Christmas Puzzle - Sheet 1





Find the number that each picture represents.

Each row adds up to the total at the end of the row.

Each column adds up to the total at the top of the column.

19	18	23	22	
				21
				28
				16
				17

Write your answers under each picture.

















			

Christmas Puzzle - Sheet 2






Find the number that each picture represents.

Each row adds up to the total at the end of the row.

Each column adds up to the total at the top of the column.

61	59	132	100	
				107
				60
				93
				92

Write your answers under each picture.

















				

Christmas Puzzle - Sheet 3






Find the number that each picture represents.

Each row adds up to the total at the end of the row.

Each column adds up to the total at the top of the column.

109	62	86	91	
				87
				95
				84
				82

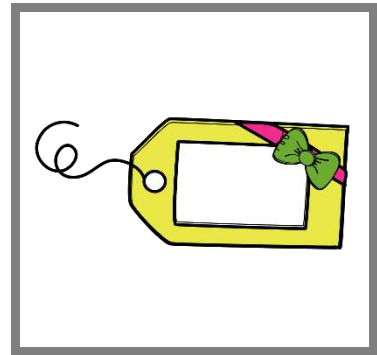
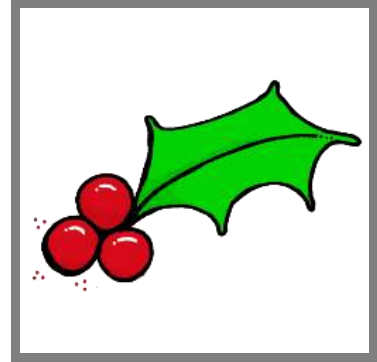
Write your answers under each picture.

Christmas Puzzle - Sheet 4

These six cards each have a number on the other side.

Use the clues to find out which number is on which card.

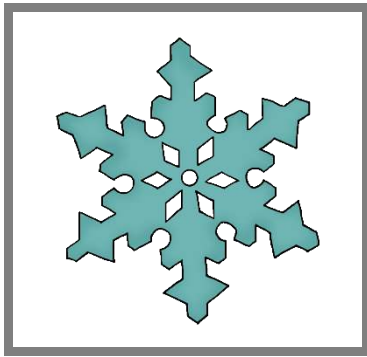
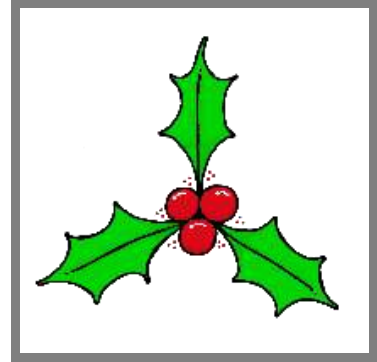
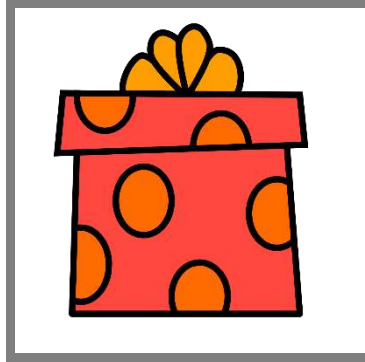
The Clues

- The six numbers are: 4, 5, 9, 11, 36 and 45.
- The number on the Christmas tree card multiplied by the number on the snowman card is equal to the number on the holly card.
- The number on the snowman card added to the number on the holly card is equal to the number on the present card.
- The number on the present card divided by the number on the snowman card is equal to the number on the gift tag card.

Christmas Puzzle - Sheet 5

These six cards each have a number on the other side.

Use the clues to find out which number is on which card.

The Clues

- The six numbers are: 8, 9, 10, 11, 80 and 90.
- The number on the snowman card multiplied by the number on the cocoa card is equal to the number on the present card.
- The number on the cocoa card added to the number on the present card is equal to the number on the snowflake card.
- The number on the snowflake card divided by the number on the cocoa card is equal to the number on the holly card.

Christmas Puzzle - Sheet 6



Five elves need to wrap five different presents each in a different colored paper.

Use the clues to find out which elf wrapped which present in which colored paper.

The Clues

1. Dobby did not use the gold or silver wrapping paper.
2. Kreacher wrapped an edible present.
3. The toy car was wrapped in white paper.
4. Bernard used the red wrapping paper.
5. The model plane was wrapped in a color on the US flag.
6. Buddy wrapped the doll.
7. The tin of biscuits was wrapped in gold.
8. The box of chocolates was not wrapped by Bernard.
9. Dobby used blue wrapping paper.
10. Hermey did not wrap the doll.



Answers

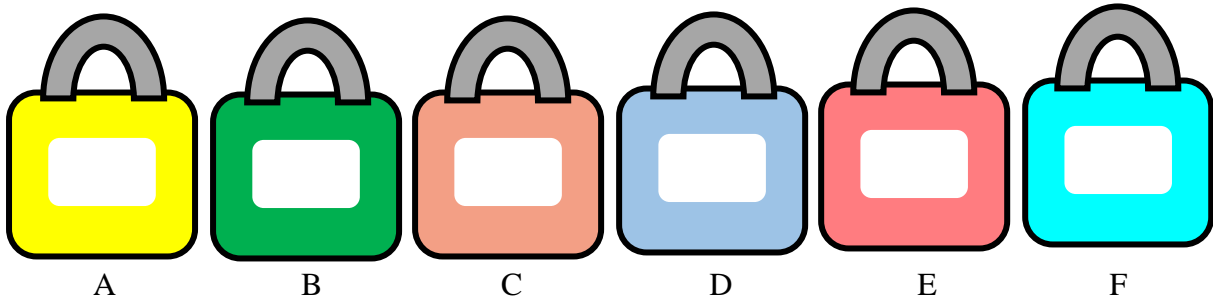
Elf					
Present					
Wrapping Paper					




Christmas Puzzle - Sheet 7Crack the Code

It is Christmas Eve and all Santa's presents are stuck in the safe.

Help him crack the code.



Use the clues to find the correct number for each lock and write your answers in each lock picture.


Lock A 

Two presents and three Santa hats cost forty-five dollars.

Seven presents and two Santa hats cost ninety-eight dollars.

Find the cost of one Santa hat to solve Lock A.

$$A = \boxed{}$$

Lock B 


There are some reindeers and elves waiting for Santa.

Altogether Santa counts twenty-six heads and eighty-six legs.

Find the number of elves to solve Lock B.

$$B = \boxed{}$$



Christmas Puzzle - Sheet 8Crack the CodeLock C 

Four turkeys of different sizes weigh a total of sixty-two pounds.


The second turkey is one pound heavier than the first turkey.

The third turkey is twice the weight of the second turkey.

The fourth turkey is three pounds more than the third turkey.


Find the weight of the first turkey to solve Lock C.

$C =$

Lock D 

Santa's eight reindeers eat 576 bales of hay each year between them.

Find the number of bales of hay that one reindeer eats in a month to solve Lock D.


Lock E 

$E =$

Five elves can make one hundred and sixty presents in eight hours.

Find how many presents one elf can make in two hours to solve Lock E.

$E =$

Lock F 

There are one hundred and ninety-two presents waiting to be loaded onto the sleigh.

Ten elves carry eleven presents each to the sleigh.

The eight reindeers each take seven presents to the sleigh.

Mrs Claus makes six trips to the sleigh, carrying four presents each time.

Santa carries the remaining presents to the sleigh.

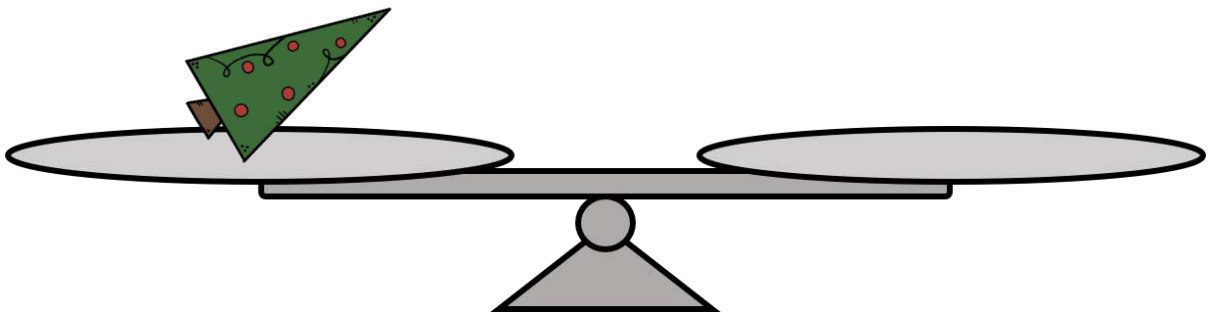
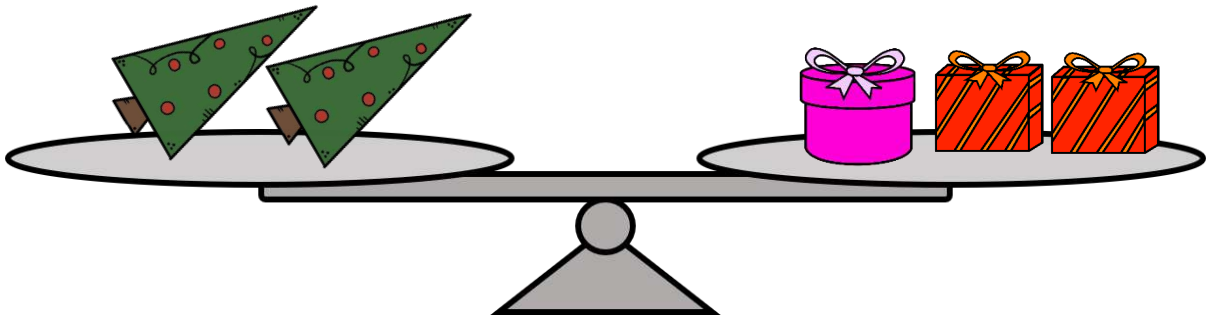
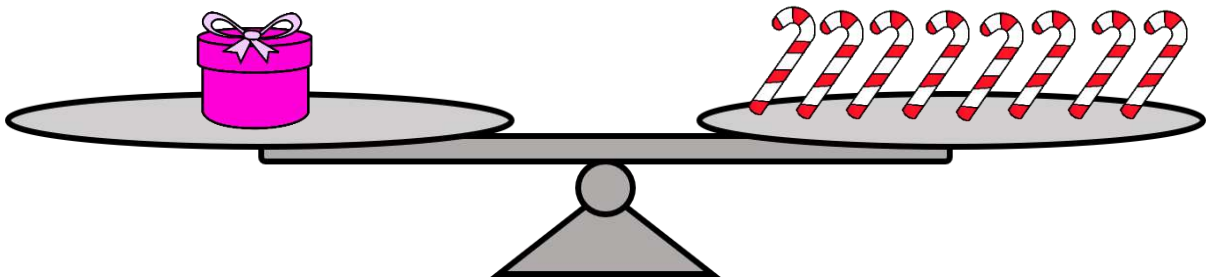
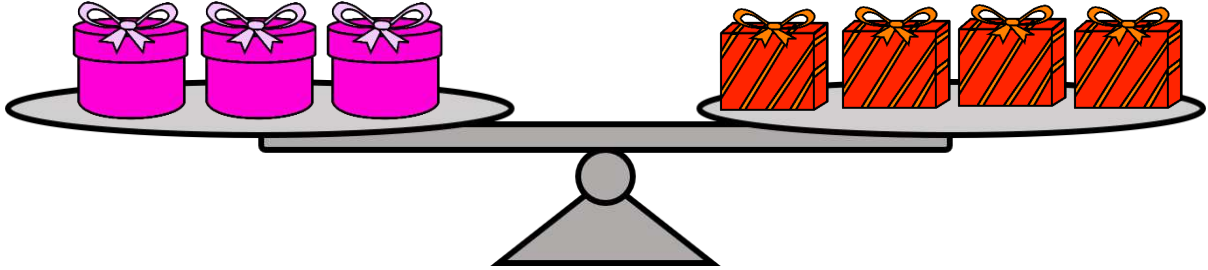
Find the number of presents Santa carries to solve Lock F.

$F =$



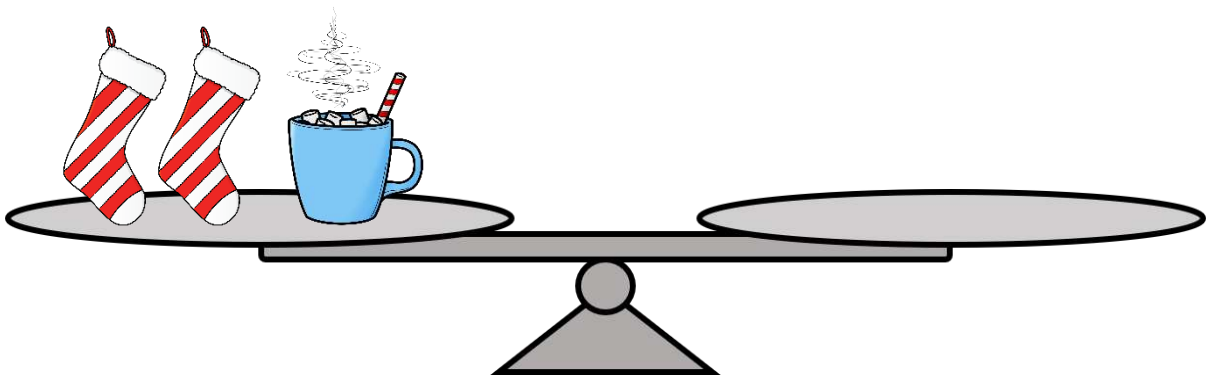
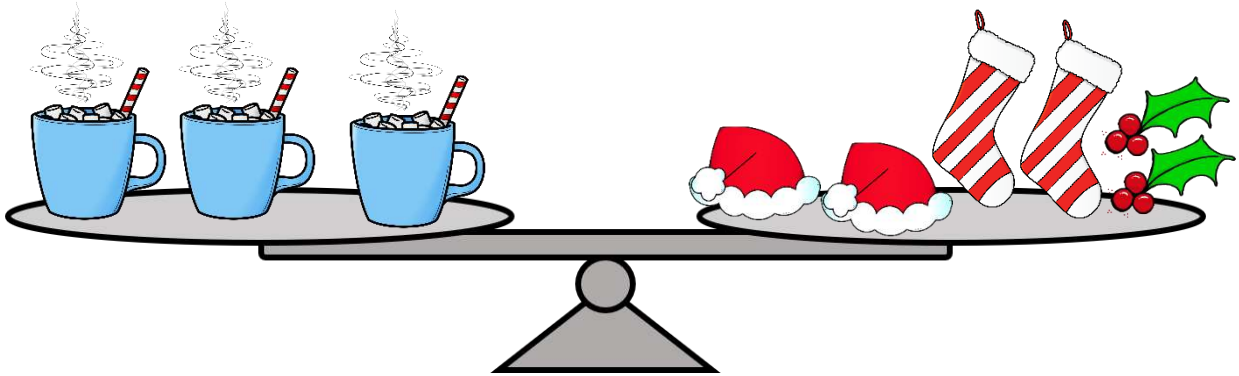
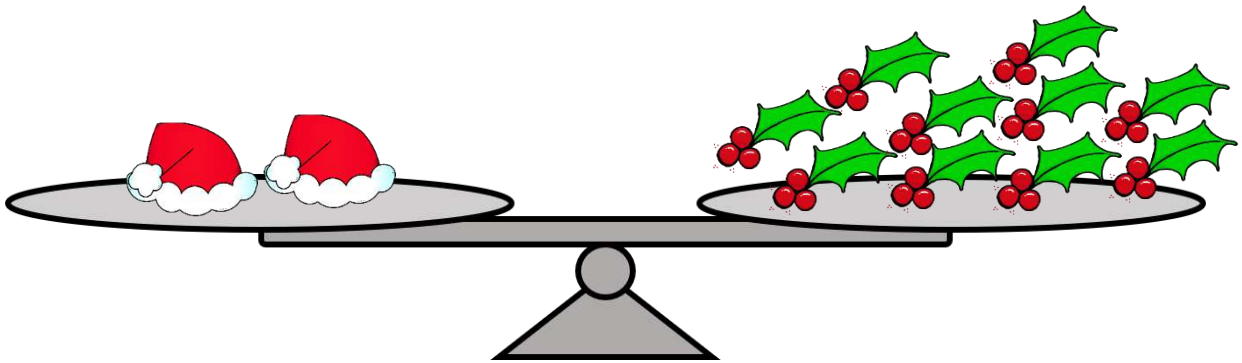
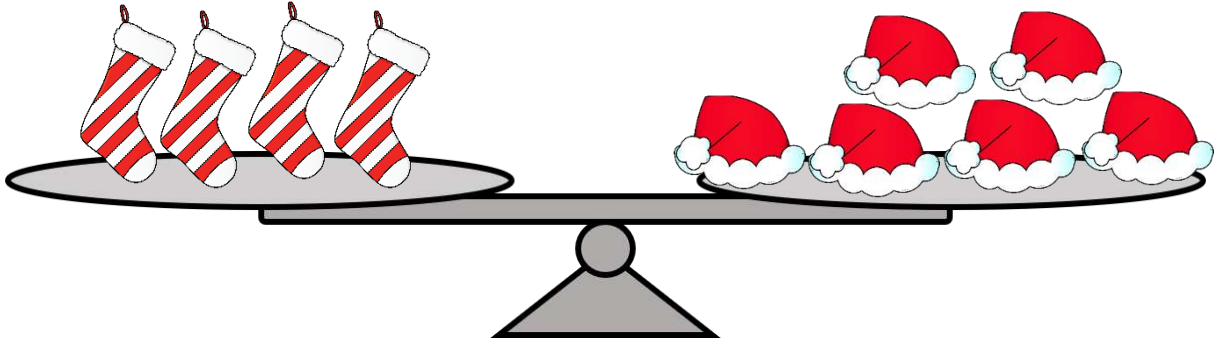
Christmas Puzzle - Sheet 9

Draw the correct number of candy canes to balance the last scale.



Christmas Puzzle - Sheet 10

Draw the correct number of holly leaves to balance the last scale.



Christmas Puzzle - Sheet 11

Use the clues to find four numbers.

The number of the day in the date of Christmas.	The number of the month in the date of Christmas.	The number of wise men in the nativity.	The number of letters in the word Christmas.

Use each of the four numbers above exactly once to make as many of the numbers 1-100 as you can. For example, add all four numbers.

You can add, subtract, multiply and divide and use order of operations. There are at least 50 different numbers you can make!


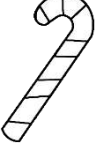


Color all the numbers you can make in blue.



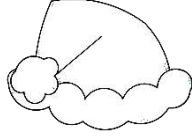
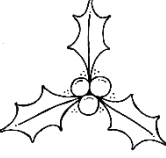
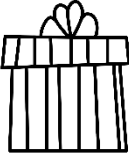
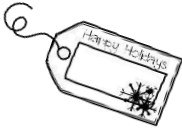

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Answers



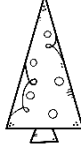


ANSWER KEY: Christmas Puzzle - Sheet 1

			
7	4	6	2

ANSWER KEY: Christmas Puzzle - Sheet 2

				
25	16	18	33	9

ANSWER KEY: Christmas Puzzle - Sheet 3

				
30	12	19	23	28

Answers

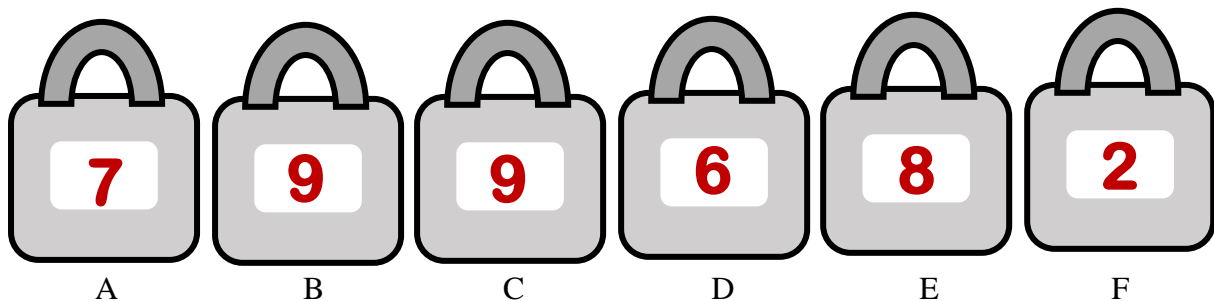
<u>Christmas Puzzle - Sheet 4</u>
Present = 45
Snowman = 9
Holly = 36
Christmas tree = 4
Candy Cane = 11
Gift tag = 5

<u>Christmas Puzzle - Sheet 5</u>
Cocoa = 10
Present = 80
Holly = 9
Snowflake = 90
Snowman = 8
Gingerbread house = 11

ANSWER KEY: Christmas Puzzle - Sheet 6

Elf	Dobby	Buddy	HermeY	Bernard	Kreacher
Present	Box of Chocolates	Doll	Toy Car	Model Plane	Tin of Biscuits
Wrapping Paper	Blue	Silver	White	Red	Gold

ANSWER KEY: Christmas Puzzle - Sheets 7 & 8



Answers

ANSWER KEY: Christmas Puzzle - Sheet 9

You will need **10** candy canes to balance the scales.



ANSWER KEY: Christmas Puzzle - Sheet 10

You will need **24** holly leaves to balance the scales.



Answers*Christmas Puzzle – Sheet 11*

The number of the day in the date of Christmas.	The number of the month in the date of Christmas.	The number of wise men in the nativity.	The number of letters in the word Christmas.
25	12	3	9

There are at least 50 different numbers you can make!

There may be more.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Answers**Christmas Puzzle - Sheet 11**

These are some of the answers. There may be more!

$$25 - 12 - 3 - 9 = 1$$

$$(12 \times 3) - 25 - 9 = 2$$

$$25 - 12 + 3 - 9 = 7$$

$$25 + 12 - (3 \times 9) = 10$$

$$((12 \div 3) \times 9) - 25 = 11$$

$$25 - (12 \div 3) - 9 = 12$$

$$12 - 25 + (3 \times 9) = 14$$

$$(25 \times 9) \div (12 + 3) = 15$$

$$25 - 12 - 3 + 9 = 19$$

$$(12 \div 3) - 9 + 25 = 20$$

$$25 - ((12 \times 3) \div 9) = 21$$

$$25 - (12 \div (9 + 3)) = 24$$

$$25 - 12 + 3 + 9 = 25$$

$$(12 \div (9 + 3)) + 25 = 26$$

$$((12 \times 3) \div 9) + 25 = 29$$

$$25 + 12 + 3 - 9 = 31$$

$$(12 \div 3) + 9 + 25 = 38$$

$$25 - 12 + (3 \times 9) = 40$$

$$25 + 12 - 3 + 9 = 43$$

$$25 + 12 + 3 + 9 = 49$$

$$(25 \times 12) \div (9 - 3) = 50$$

$$(12 \times 3) + 25 - 9 = 52$$

$$(25 \times 3) - 12 - 9 = 54$$

$$((12 \div 3) \times 9) + 25 = 61$$

$$(25 \times (9 \div 3)) - 12 = 63$$

$$25 + 12 + (3 \times 9) = 64$$

$$(12 \times 3) + 25 + 9 = 70$$

$$((25 \times 9) - 12) \div 3 = 71$$

$$(25 \times 3) - 12 + 9 = 72$$

$$(25 \times 3) + 12 - 9 = 78$$

$$((25 \times 9) + 12) \div 3 = 79$$

$$(12 \times 9) - 25 - 3 = 80$$

$$(12 \times 9) - 25 + 3 = 86$$

$$(25 \times (9 \div 3)) + 12 = 87$$

$$((12 \times 25) \div 3) - 9 = 91$$

$$(25 \times 3) + 12 + 9 = 96$$

$$((12 \times 25) - 9) \div 3 = 97$$

$$((12 \times 3) \div 9) \times 25 = 100$$

Christmas Math Puzzle

$$\text{🎄}^2 = 16$$

$$\text{🏠} \times \text{🎄} = 36$$

$$\text{🎄}^3 = 1$$

$$3(\text{🎁} + \text{🎁}) \div 2 = 6$$

$$\text{❄️} - \text{🎄} \times \text{🎄} = 3$$

$$\text{❄️}^2 - \text{🎄} \times \text{🏠} = 13$$

$$\text{🎁} + \text{🎄} - \text{🌐} = -2$$

$$\text{🎁}^2 \times \text{❄️} - \text{🎄} \times \text{🌐} = 8$$

$$\text{🏠} \times \text{🎄} \div \text{🎁} \times \text{🎄} = 18$$

$$(\text{🎄} + \text{🎁}) \times (\text{🌐} - \text{🎁}) = 9$$

$$\sqrt{\text{🌐}^2 - \text{🎄}^2} = 3$$

$$\text{🌐} = 5$$

$$\text{🏠} = 9$$

$$\text{🎁} = 2$$

$$\text{🎄} = 4$$

$$\text{🎄} = 1$$

$$\text{❄️} = 7$$

Christmas Puzzles

$$\overset{4}{\text{Green}} + \overset{3}{\text{Red}} + \overset{5}{\text{Yellow}} = 12$$

$$\text{Green} - \text{Green} + \text{Green} = 4$$

$$10 \text{ Red} = 30$$

$$\text{Red} + \overset{15}{\text{Green}} = 18$$

$$\text{Green} + \text{Yellow} + \text{Green} = 24$$

$$16 - \overset{7}{\text{Yellow}} = \overset{9}{\text{Green}}$$

$$\overset{7}{\text{Yellow}} + \overset{5}{\text{Red}} = 12$$

$$\text{Red} + \text{Red} + \text{Red} = 15$$

$$\text{Green} \div \overset{3}{\text{Green}} = 3$$

$$(\text{Yellow} + \text{Red}) \div \text{Green} = 3$$

$$(\text{Green} + \text{Yellow}) \div (\text{Yellow} - \text{Green}) = 6$$

$$\text{Green} + \text{Yellow} = 12$$

$$\text{Green} - \text{Yellow} = 2$$

$$\text{Green}^2 = 9$$

$$(\text{Green} + \text{Yellow}) \times (\text{Yellow} + \text{Green}) = 108$$

$$9 \text{ Green} - 3(\text{Green} + \text{Red}) = 9$$

- = 3
- = 2
- = 5
- = 4
- = 7

Christmas Grid

Answer Key



(2,7)



(5,6)



(1,1)



(4,3)



(7,2)



(4,8)



(1,3)



(9,5)



(7,7)



(3,6)



(1,8)



(2,1)



(6,2)



(4,4)



(9,1)