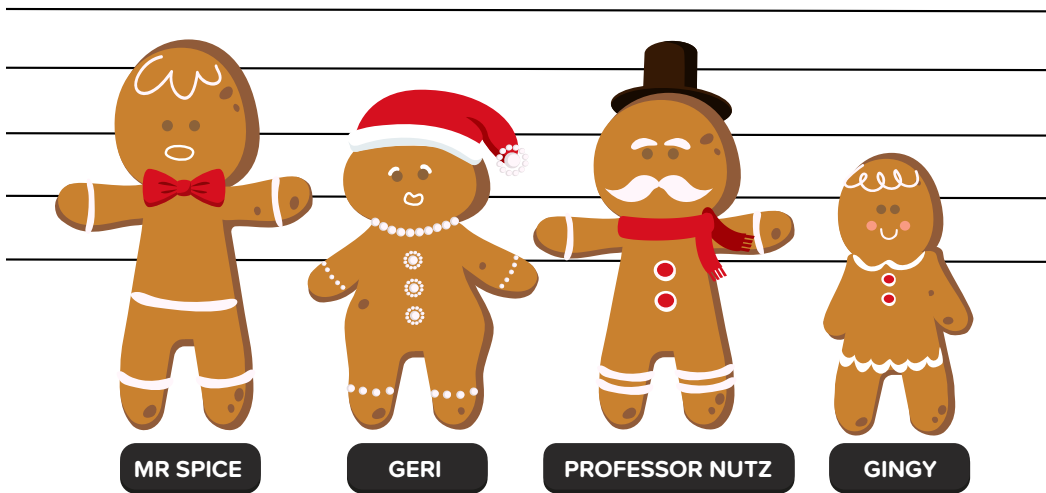


Ginger Town's Christmas Mystery

The people of Ginger Town need you!

The town's Christmas spirit has been stolen and they need your help to solve the mystery.

FOUR KEY SUSPECTS HAVE BEEN IDENTIFIED:



It's now over to you to find the culprit and restore the town's Christmas spirit. You'll need to show off your maths, English and science skills to complete three tasks. Once you have finished each task, you will uncover a clue that will eliminate a suspect. Once you have completed all the tasks and eliminated three innocent suspects, you will uncover the culprit. They must be punished...



The people of Ginger Town are counting on you!

DETECTIVE'S NAME:

GINGERBREAD CULPRIT

_____ (your name)

_____ (complete this at the end)

Task 1

Maths Challenge

To reveal the first clue, you need to put your maths skills to the test! Solve the calculations below. Take the highlighted digits and use the alphabet code at the bottom to find out which letter they represent. Once you have put all of the letters together, you'll have your first clue and will be able to eliminate the first suspect. You will need an extra piece of paper for your workings. The first one has been done for you.

1. $8 \times 8 = \underline{6} \underline{4}$

11. $341 + 454 = \underline{\quad} \underline{\quad} \underline{\quad}$

2. $50 \times 3 = \underline{\quad} \underline{\quad} \underline{\quad}$

12. $763 - 351 = \underline{\quad} \underline{\quad} \underline{\quad}$

3. $45 \div 9 = \underline{\quad}$

13. $5423 - 1281 = \underline{\quad} \underline{\quad} \underline{\quad} \underline{\quad}$

4. $38 \div 2 = \underline{\quad} \underline{\quad}$

14. $6409 + 3243 = \underline{\quad} \underline{\quad} \underline{\quad} \underline{\quad}$

5. $12 \times 12 = \underline{\quad} \underline{\quad} \underline{\quad}$

15. $6975 - 339 = \underline{\quad} \underline{\quad} \underline{\quad} \underline{\quad}$

6. $150 \div 10 = \underline{\quad} \underline{\quad}$

16. $3507 + 304 = \underline{\quad} \underline{\quad} \underline{\quad} \underline{\quad}$

7. $100 \div 5 = \underline{\quad} \underline{\quad}$

17. $4213 - 2972 = \underline{\quad} \underline{\quad} \underline{\quad} \underline{\quad}$

8. $6 \times 8 = \underline{\quad} \underline{\quad}$

18. $2634 + 1276 = \underline{\quad} \underline{\quad} \underline{\quad} \underline{\quad}$

9. $9 \times 9 = \underline{\quad} \underline{\quad}$

19. $6844 + 1458 = \underline{\quad} \underline{\quad} \underline{\quad} \underline{\quad}$

10. $2 \times 11 = \underline{\quad} \underline{\quad}$

20. $6542 - 3949 = \underline{\quad} \underline{\quad} \underline{\quad} \underline{\quad}$

CLUE: THE CULPRIT...

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

D

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
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Need to brush up on your skills? Search the nugget codes in your 'my courses' page.

Task 2

English Challenge

To eliminate a second suspect, you'll need to know your word classes. This Christmas tree is made up of lyrics from famous Christmas songs. Above each lyric there is a word class (for example, verb). Find the word in the lyric that matches the word class above. Collect the letters that hang underneath these words to piece together your next clue. The first one has been done for you.



verb

Sleigh bells ring

A T H

proper noun

Frosty the snowman

A H E

proper noun

I wanna wish you a merry Christmas

E L C S

verb

On the first day of Christmas my true love sent to me

P H G B

conjunction

Oh the weather outside is frightful, but the fire is so delightful

S O U E

preposition

Dashing through the snow

G T R L

pronoun

Have yourself a merry little Christmas

L T E M

conjunction

Dancing and prancing in Jingle Bell Square

G O E N

adjective

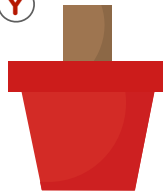
Gone away is the bluebird, here to stay is a new bird

A S L N

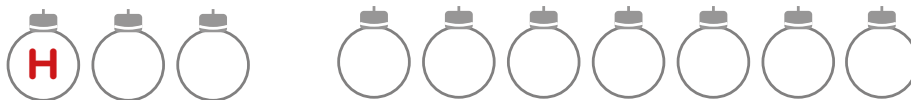
verb

Rudolph with your nose so bright, won't you guide my sleigh tonight?

L Y S T



CLUE: THE CULPRIT...



Need to brush up on your skills? Search the nugget code in your 'my courses' page.

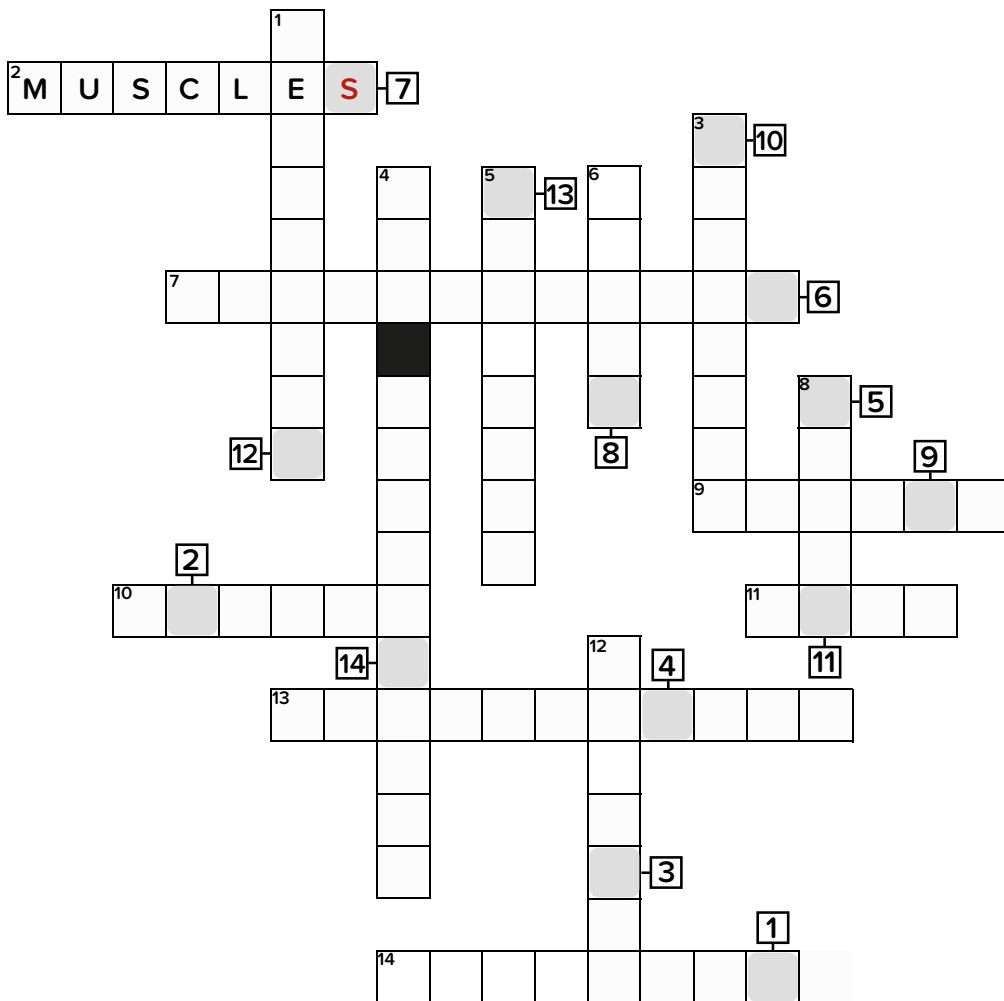
Identifying Word Classes

[PSPG1.09]

Task 3

Science Challenge

Great job so far! To eliminate the final suspect, you need to complete the crossword and then put all of the highlighted letters together to reveal the clue. The first one has been done for you.



Across

2. These work in pairs to help the body move.
7. An animal that does not have a backbone.
9. This is formed when an object blocks the light.
10. These are teeth found at the back of the mouth that grind and crush food.
11. This part of the plant holds it upright and helps transport water and minerals.
13. The process of a liquid changing into a gas.
14. A force between two surfaces that rub against each other.

Down

1. An animal that only eats plants.
3. A group of animals that are cold blooded, have scales and lay eggs.
4. A type of friction between air and another material.
5. This supports and protects the body.
6. The planet that we live on.
8. This organ pumps blood around the body.
12. The natural home or environment of an animal or plant.

CLUE: THE CULPRIT IS ...

1	2	3	4	5	6	7	8	9	10	11	12	13	14
						S							