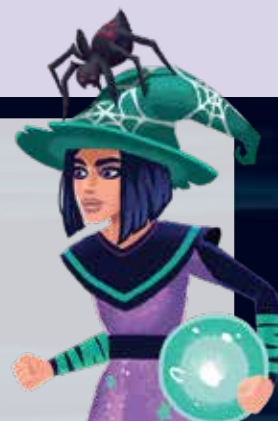Guardians
Defenders of
Mathematica

Spooky sums

The Guardians need to save Mathematica from the enemies that have taken over Halloween Hall. It was easy enough for the Guardians to sneak into the mansion, but now they are lost. And they feel like they are being watched!

Help the Guardians to find their way out by exploring every room and defeating all the ghosts, ghouls and monsters that they encounter along the way.

Guardians
Defenders of Mathematica

Can you solve the maths puzzles in each room and find the only way out of Halloween Hall? Use your answers to match to the correct letter.

Put those letters into the correct spaces to reveal the hidden message. The first one has been done for you.

This room is small, scary and really cold. It measures 6m by 3m. What is its perimeter?

☐ =N

On the table are some skulls. 4 are gold, 2 are silver and 6 are made of crystal. How many skulls are there in total?

12 =I

In this room, the ratio of mice to rats is 3:1. There are 3 rats. How many mice are there?

☐ =T

You stay in this room for an hour. Every 3 minutes a ghost appears and disappears. How many times do you see it?

☐ =C

On the walls of this room are 16 portraits. 4 of them have the eyes missing? What percentage of portraits do have eyes?

☐ =E

Zombies come back to life 8 hours after they are defeated. How many minutes is that in total?

☐ =Y

There is a pentagon on the floor of this room. How many sides does it have?

☐ =H

The enemy has left 200ml of slime juice in this room. You need to divide it equally between 8 bottles to escape the room. How much slime juice will be in each bottle?

☐ =U

To escape this room, you need to work out the code to unlock the door. 9 + x = 23. What is x?

☐ =M

6 spiders are watching you. Each one has 8 eyes. How many eyes in total are watching you?

☐ =P

I

___ ___   ___   ___   ___   ___   ___   ___   ___   ___   ___   ___

25   48   9   5   75   20   5   12   14   18   75   480

Guardians
Defenders of Mathematica

U P   T H E   C H I M N E Y

U	P		T	H	E		C	H	I	M	N	E	Y
25	48		9	5	75		20	5	12	14	18	75	480

On the table are some skulls. 4 are gold, 2 are silver and 6 are made of crystal. How many skulls are there in total?	**12** =I
In this room, the ratio of mice to rats is 3:1. There are 3 rats. How many mice are there?	**9** =T
This room is small, scary and really cold. It measures 6m by 3m. What is its perimeter?	**18m** =N
There is a pentagon on the floor of this room. How many sides does it have?	**5** =H
On the walls of this room are 16 portraits. 4 of them have the eyes missing? What percentage of portraits do have eyes?	**75%** =E
Zombies come back to life 8 hours after they are defeated. How many minutes is that in total?	**480** =Y
To escape this room, you need to work out the code to unlock the door. 9 + x = 23. What is x?	**14** =M
6 spiders are watching you. Each one has 8 eyes. How many eyes in total are watching you?	**48** =P
The enemy has left 200ml of slime juice in this room. You need to divide it equally between 8 bottles to escape the room. How much slime juice will be in each bottle?	**25ml** =U
You stay in this room for an hour. Every 3 minutes a ghost appears and disappears. How many times do you see it?	**20** =C