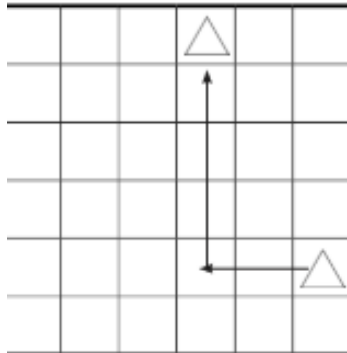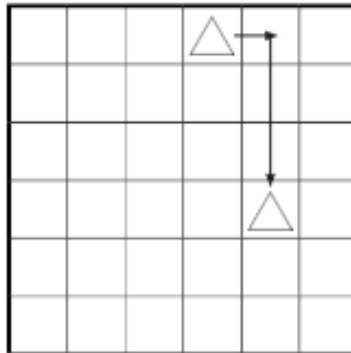# Sliding Triangles

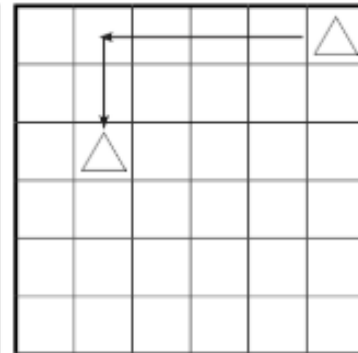I can describe the translation of an object on a 2D grid.

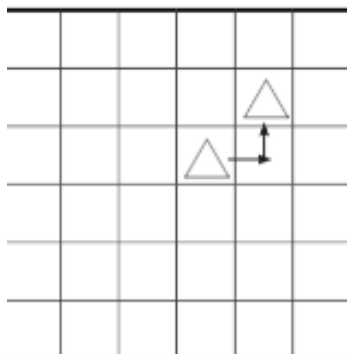Describe the translation of the objects (e.g. left 2, up 4)

Translation:

Translation:
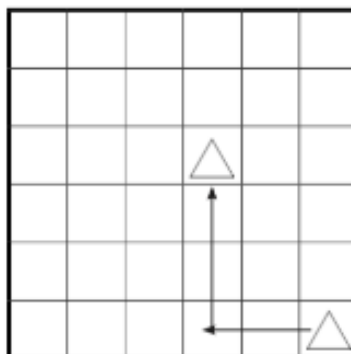
Translation:

Translation:
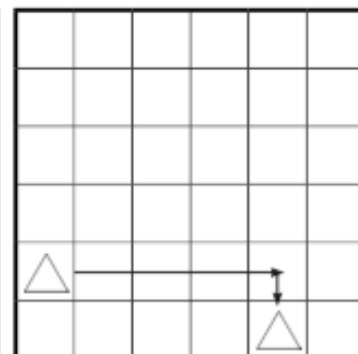
Translation:
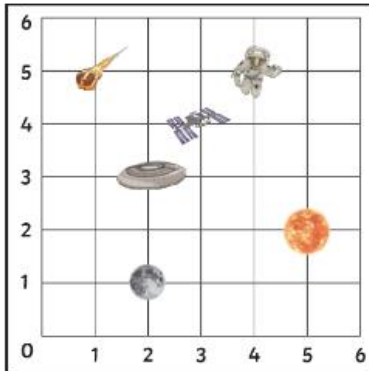
Translation:

1) Describe the following translations:

a) [moon] to [sun] _____

b) [space station] to [spaceship] _____

c) [meteor] to [astronaut] _____

d) [sun] to [meteor] _____

e) [space station] to [moon] _____

f) [spaceship] to [astronaut] _____

2) Draw a new space object on the grid.

    a) Describe the translation from the new space object to the astronaut.

_____

_____

    b) Describe the translation from the meteor to the new space object.

_____

_____

A group of children are describing the translations of the stars on this grid. Decide if their statements are true or false. Explain your reasoning.
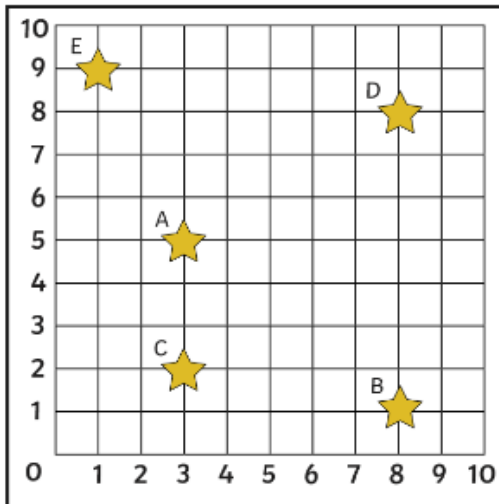

1) Kaspar says, 'The translation from D to E is 1 down and 7 right.'

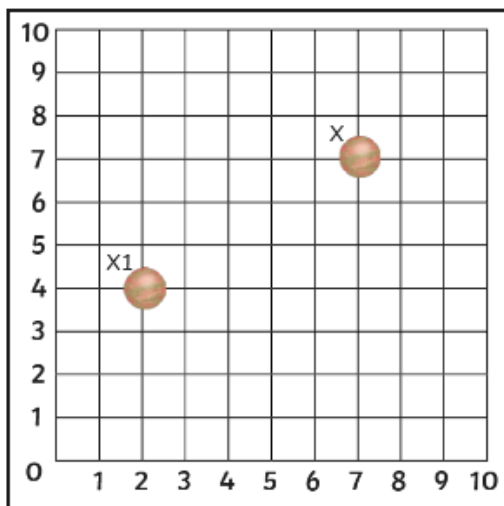2) Veronica says, 'The translation from B to A is 6 left and 5 up.'

3) Arthur says, 'The translation from C to D is 5 right and 6 up.'

4) Harriet says, 'The translation from E to B is 9 down and 8 right.'

Planet X is translated left 4 and down 2. Its new position is labelled X1.

What do you notice about this translation?

Did you notice that the translation along the x-axis is double the translation along the y-axis?
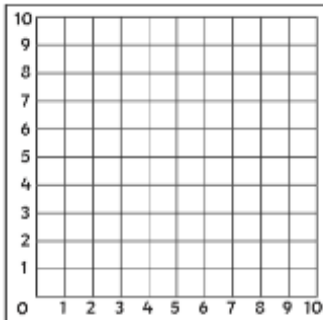
How many more ways can you translate planet X so that the translation along the x-axis is double the translation along the y-axis?

Make sure you find all the possibilities.
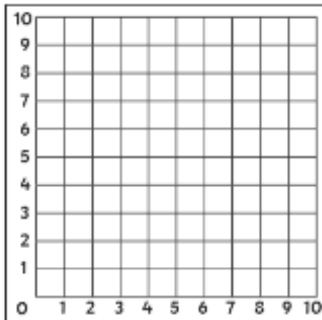
Grid

Coordinate Polygons

I can plot coordinates to draw polygons.

Plot the given coordinates on the grid and join them up to identify the polygon.

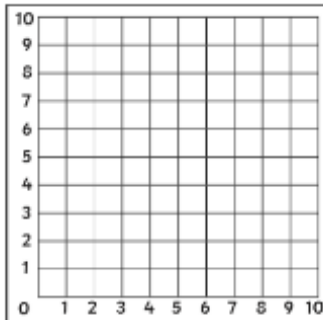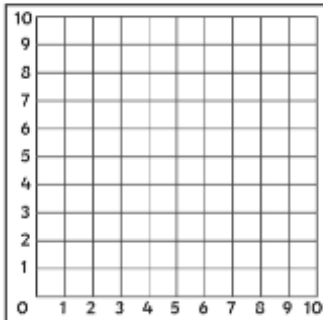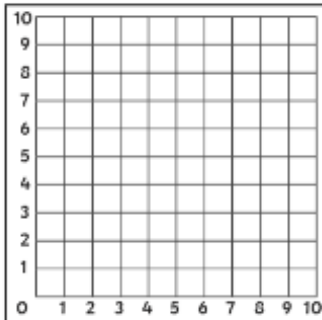1. (0,3) (3,6) (6,3) (3,0)

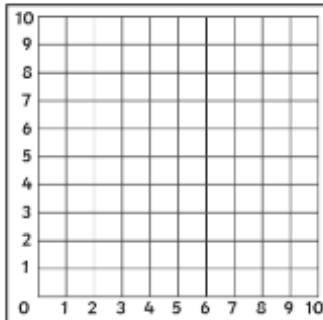Polygon =

2. (3,2) (5,9) (7,2)

Polygon =

3. (0,3) (4,6) (10,0)

Polygon =

4. (1,9) (7,9) (9,1) (3,1)

Polygon =

5. (8,8) (8,2) (4,4) (4,6)

Polygon =

6. (5,10) (8,7) (5,0) (2,7)

Polygon =

The Chamber of Secrets   **Chapters 11–12**

A. Read the following questions and choose the best answer.

1. What did the students learn with Professor Lockhart and Snape? ____
A. dancing   B. drawing   C. dueling

2. What did Draco Malfoy shoot at Harry? ____
A. a snake   B. a purple light   C. an arrow

3. Which character is a Parselmouth? ____
A. Ron   B. Harry   C. Hermione

4. What kind of bird does Dumbledore have? ____
A. a parrot   B. a phoenix   C. a peacock

5. What did the Dursleys send Harry for Christmas? ____
A. treacle fudge   B. a sweater   C. a toothpick

6. How long does the effect of Polyjuice last? ____
A. one hour   B. one day   C. one week

B. Answer the following questions with a complete sentence.

1. Why were Ron and Hermione in Moaning Myrtle's bathroom?_____
_____

2. Why did Harry shoot a firework in Snape's class?_____
_____

3. What were Ernie and Hannah discussing in the library?_____
_____

4. How did Hermione get Crabbe and Goyle to fall asleep?_____
_____

5. How did Ron and Harry change into Crabbe and Goyle?_____
_____

6. Why did Hermione change into a cat?_____
_____

The Chamber of Secrets   **Summaries**

In the story, there were several dramatic events which occurred.
Write a summary for each of the following events. Remember
that a summary should include all of the important details.

1. Ron comes to the Dursleys' house and helps Harry escape.

_____
_____
_____
_____
_____
_____
_____

2. Harry visits Diagon Alley before returning to Hogwarts.

_____
_____
_____
_____
_____
_____
_____

3. Harry and Ron travel back to Hogwarts to start their second year.

_____
_____
_____
_____
_____
_____
_____

Diagon Alley is a special place in the world of wizards.

1. In this story, how did the Weasley family and Harry travel to Diagon Alley?

_____

_____

2. Where did Harry arrive when he was trying to go to Diagon Alley? Why?

_____

_____

3. What did Harry see there?

_____

_____

4. How did Harry find his way to Diagon Alley?

_____

_____

5. Why did Harry go to Gringotts?

_____

_____

6. Which event was taking place at Flourish and Blotts?

_____

_____

7. Which two characters got in a fight? Why?

_____

_____

The Chamber of Secrets   Interviews

Imagine you could interview some of the characters from *Harry Potter and the Chamber of Secrets.* Which questions would you like to ask? How do you think the characters would answer your questions?

A. Questions: What are three questions you would like to ask **Hermione**?

1._____

2._____

3._____

Answers: How do you think **Hermione** would answer your questions?

1._____

2._____

3._____

B. Questions: What are three questions for **Professor Dumbledore**?

1._____

2._____

3._____

Answers: How would **Professor Dumbledore** answer your questions?

1._____

2._____

3._____

C. Questions: What are three questions you would ask **the basilisk**?

1._____

2._____

3._____

Answers: How do you think **the basilisk** would answer your questions?

1._____

2._____

3._____