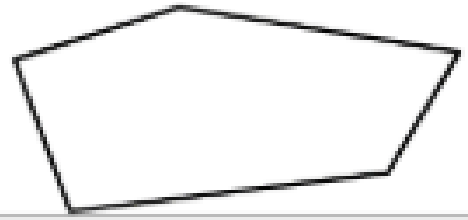
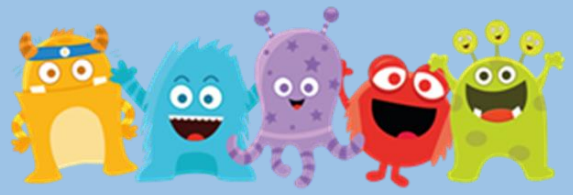
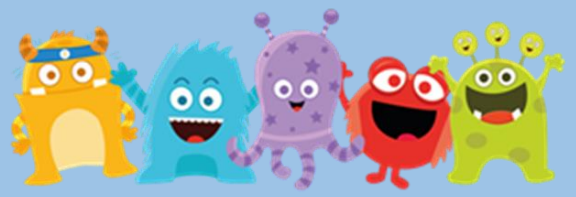
Answers from yesterday's warm-up:

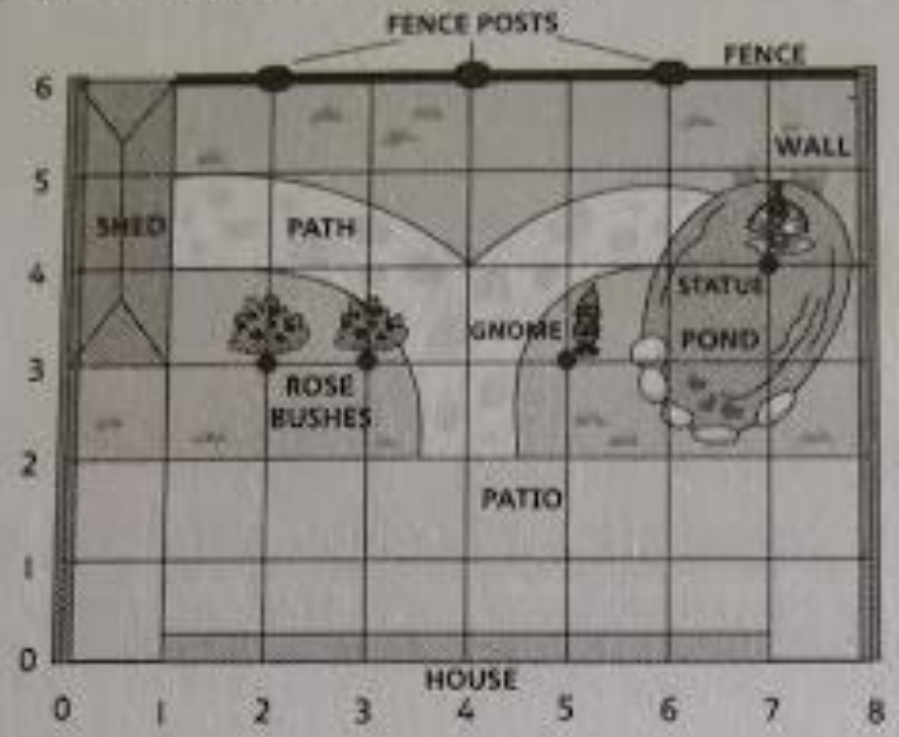
| | | |
|---|---|---|
| 1) | 3 x ___ = 30 | 10 |
| 2) | Write down a multiple of 5 between 22 and 32 | 25 or 30 |
| 3) | 40 ÷ 10 | 4 |
| 4) | 628 = 600 + 8 + ___ | 20 |
| 5) | Write down two thousand nine hundred and fourteen | 2914 |
| 6) | What is the next number?<br>17, 21, 25, 29, 33, ___ | 37 |
| 7) | How many vertices does this shape have?<br>  | 5 |
| 8) | How many 3s make 21? | 7 |



Here are the answers to your work from yesterday:



1 Jamie made a sketch of her garden.




a) What are the coordinates of the statue?

The statue is at ( 7 4 , ).

b) There is a fence post at (2,6). Where are the other fence posts?

The other fence posts are at ( 4 , 6 ) and ( 6 , 6 ).

c) One of the rose bushes is at (2,3). Where is the other one?

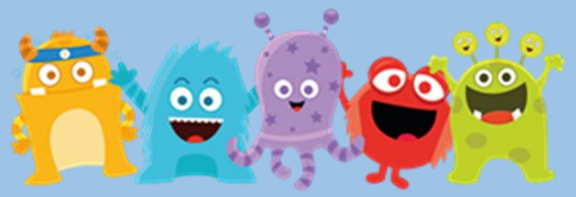
The other rose bush is at ( 3 , 3 ).

2 The coordinates of one corner of the shed are (1,3).

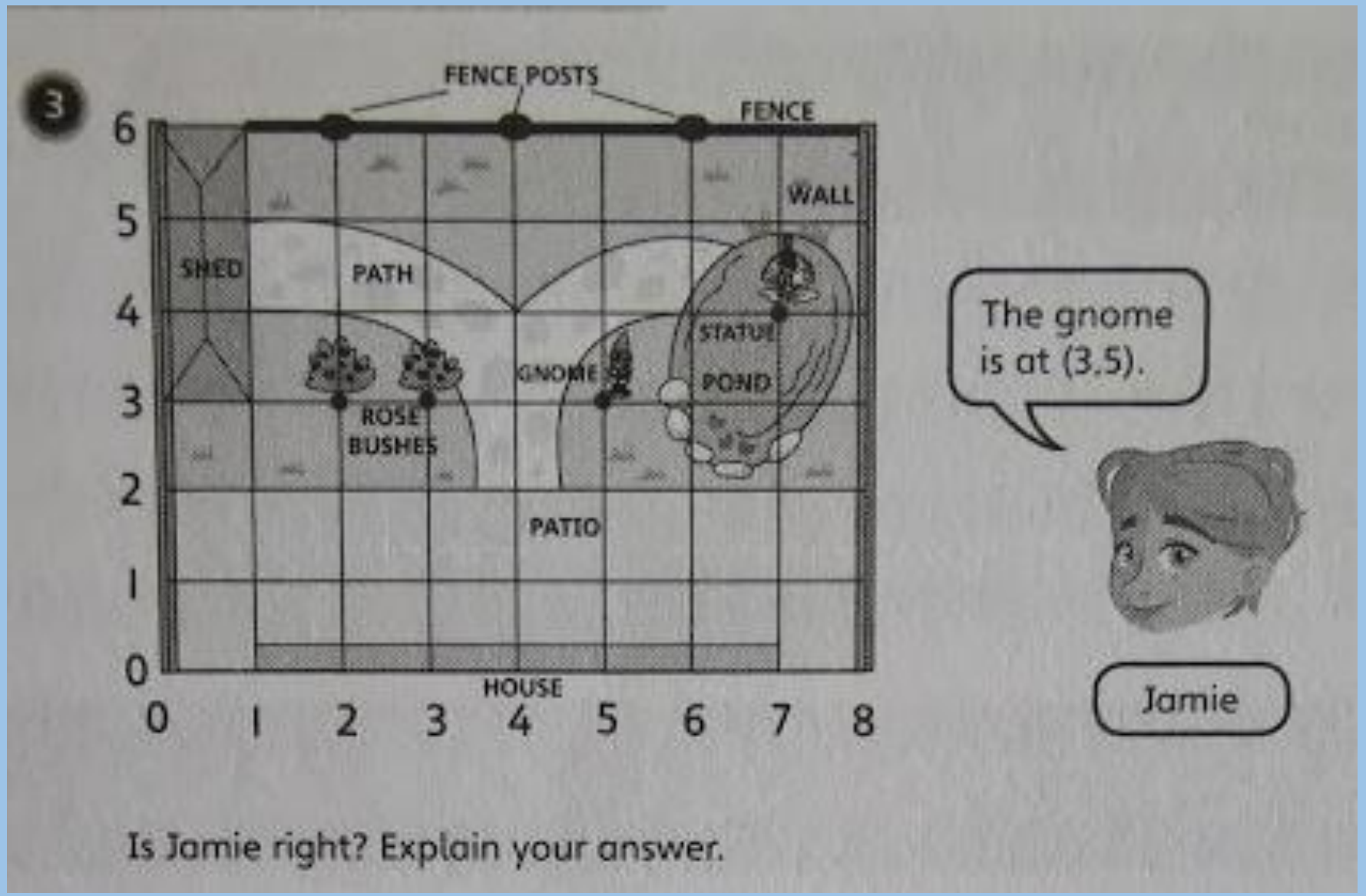
What are the coordinates of the other three corners?

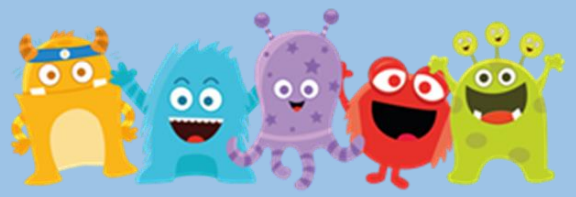
The other corners are at ( 0 , 3 ) , ( 0 , 6 )

and ( 1 , 6 ) .



No. This is wrong. Jamie has but the numbers of the coordinates the wrong way round. It should be (5,3)



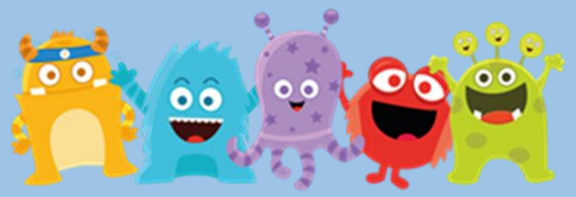
4 Jamie wants to put a climbing plant against the wall on the right. She wants the plant to be as close to the pond as possible.

Where should she plant it?

She should plant it at ( 8 , 4 ).

5 Describe where you would be if you were standing at (0,0).

Next to the house on the left-hand side.



A = (3, 5), C = (8, 3). Use this information to work out the coordinates of points B, D, E and F.

Point A = (3, 5)

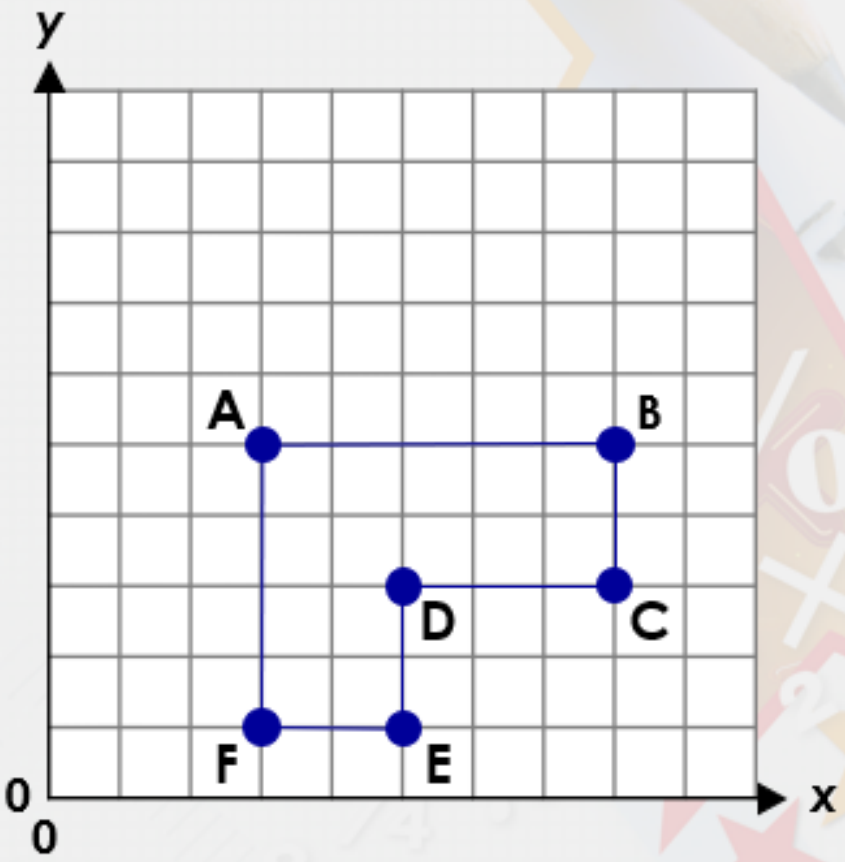
Point B = (8, 5)

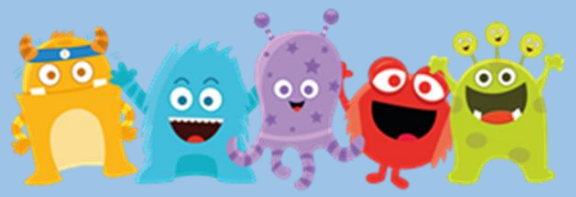
Point C = (8, 3)

Point D = (5, 3)

Point E = (5, 1)

Point F = (3, 1)



Billy has written the coordinates for a pentagon. Correct any mistakes he has made.

Billy read the y axis before the x axis for Points A and E, which should have been (3, 4) and (7, 2).

Billy

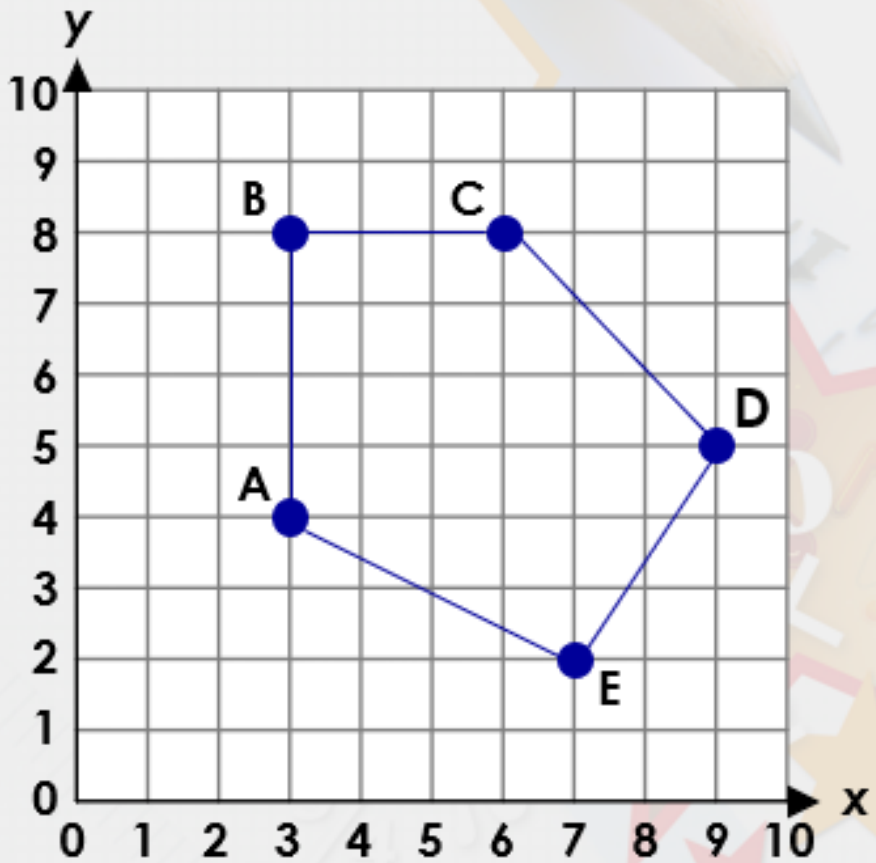
Point A = (3, 4)

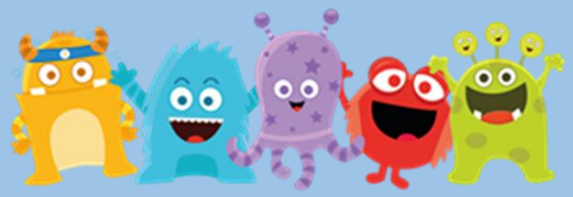
Point B = (3, 8)

Point C = (6, 8)

Point D = (9, 5)

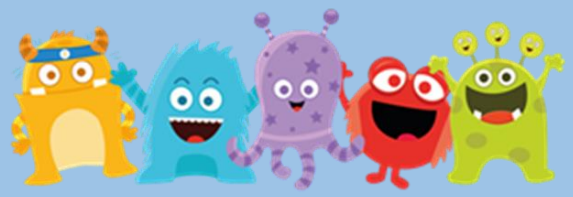
Point E = (7, 2)



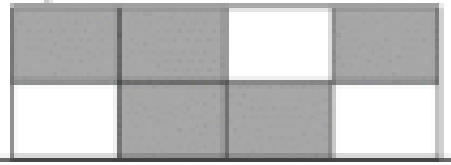



Have a go at answering the mixed division questions :

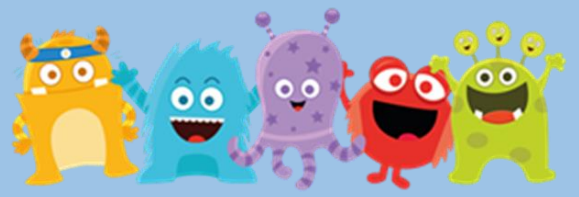
https://www.topmarks.co.uk/maths-games/hit-the-button



Here are some more questions for you to answer as a warm-up:

| | |
|---|---|
| 9) | Round 165 to the nearest 10. |
| 10) | What fraction of the shape below is shaded?  |
| 11) | How much money is 1 TWENTY plus 3 TENS plus 4 FIVES? |
| 12) | 48 - ___ = 42 |
| 13) | The time is 3:40pm. What will the time be in half an hour? |
| 14) | How many TENS make £1.40? |
| 15) | A pencil costs 31p. How much do 3 pencils cost? |
| 16) | One yard is 3 feet. How many feet in 7 yards? |

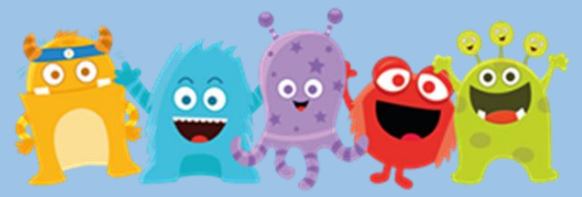
# L.O. – To plot coordinates on a grid.



Brief note:  As far as possible, when providing online learning, we have tried to avoid the need to print off activities at home. This particular lesson, however, is a little tricky to complete without grids drawn out or printed off.

Therefore, if you have access to a printer or some squared paper for the last part of the lesson, that would be very helpful.  If not, do not worry. Work through the lesson the best you can, drawing out some squared grids if you can manage to.  I have put some links to some coordinates games and some general mental maths lessons on the last page, should it not be possible for you to complete these activities due to a lack of a printer.

This issue applies only to this lesson.



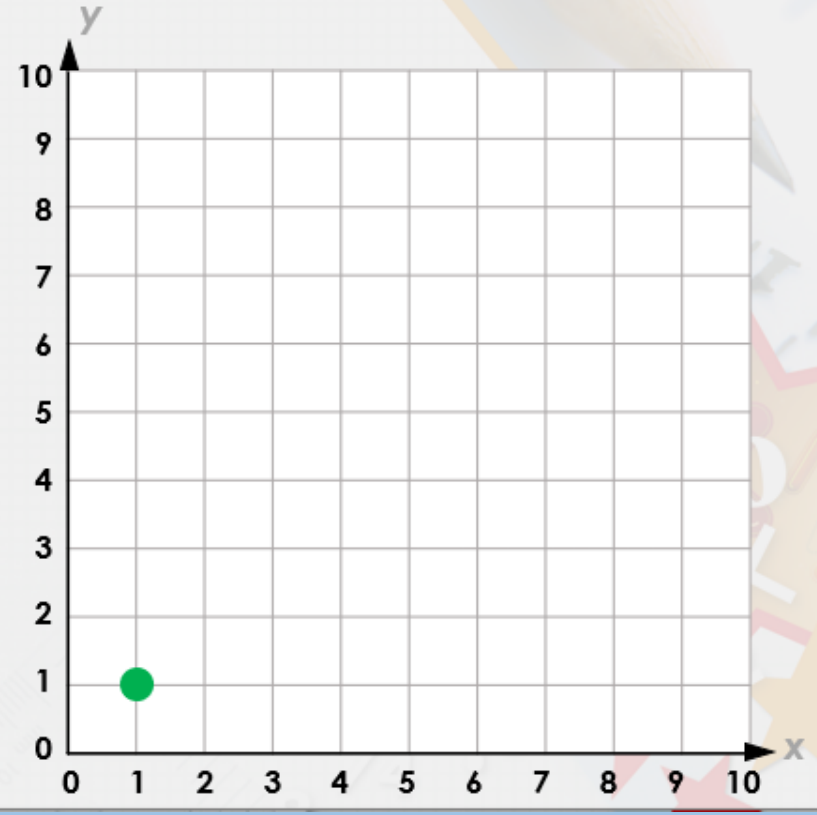
Have a look at this problem and think about the coordinates which could give you a possible answer:

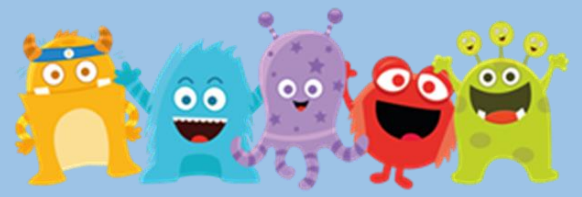
**Draw a right-angled triangle. Start at point A. Write the coordinates.**

(1, 1)

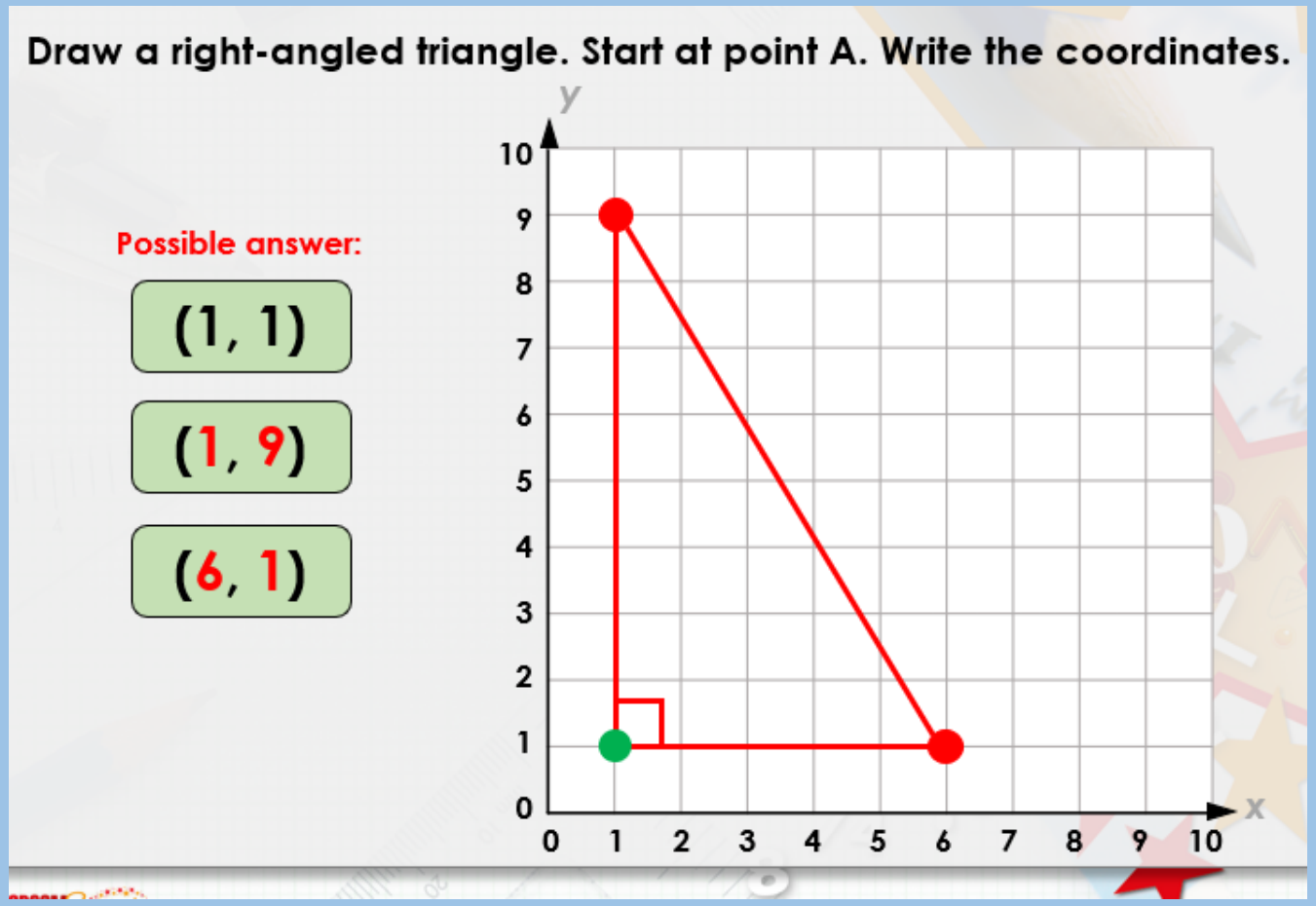
( , )

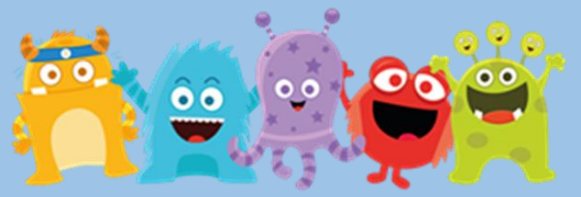
( , )





Here is one possible answer.  The right-angle is at (1,1)





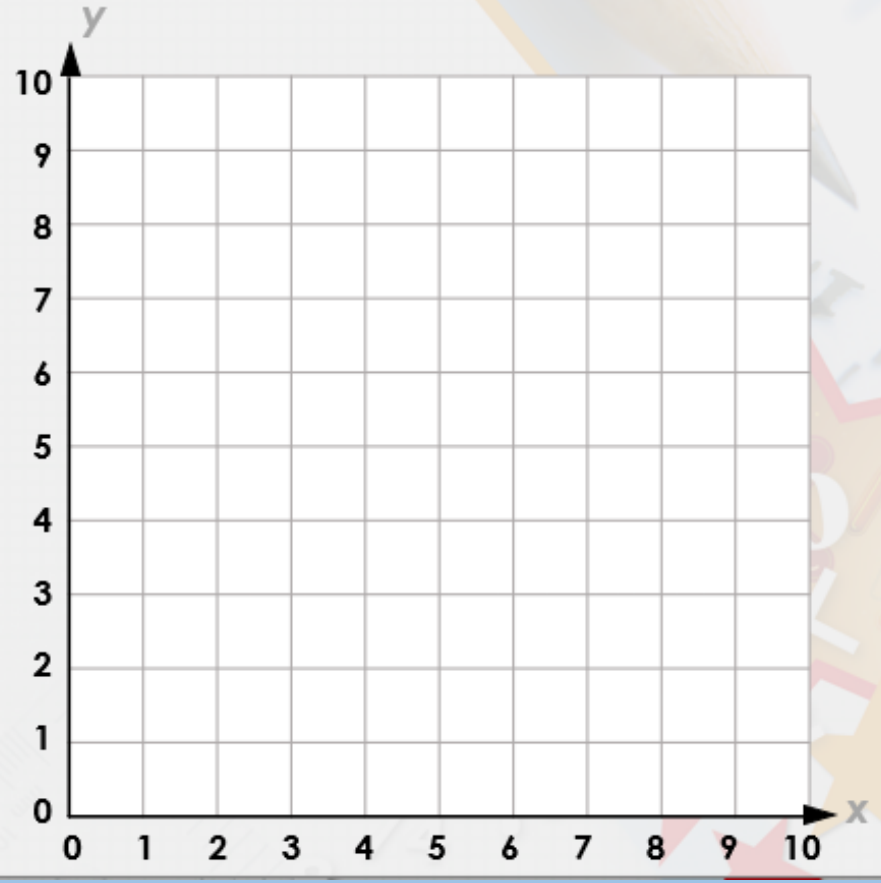
These are the coordinates for the vertices of a square. True or false?

(2, 1)

(7, 1)

(2, 6)

(7, 7)



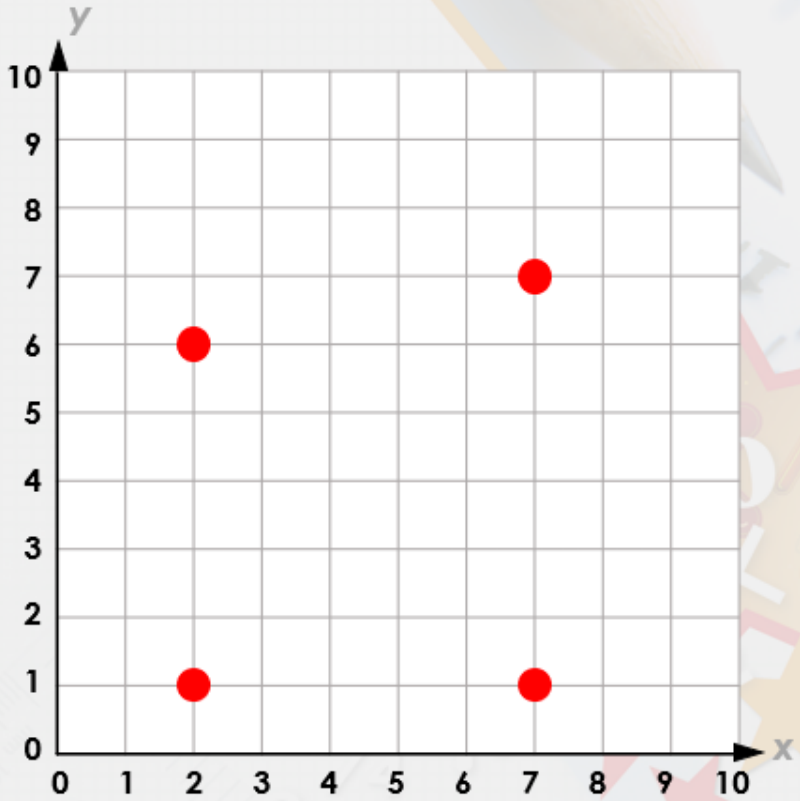
These are the coordinates for the vertices of a square. True or false?

(2, 1)

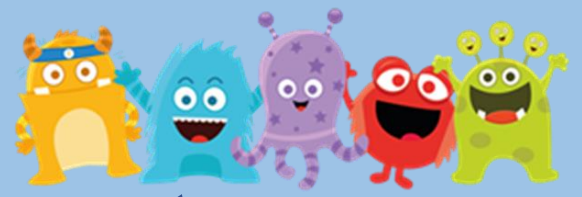
(7, 1)

(2, 6)

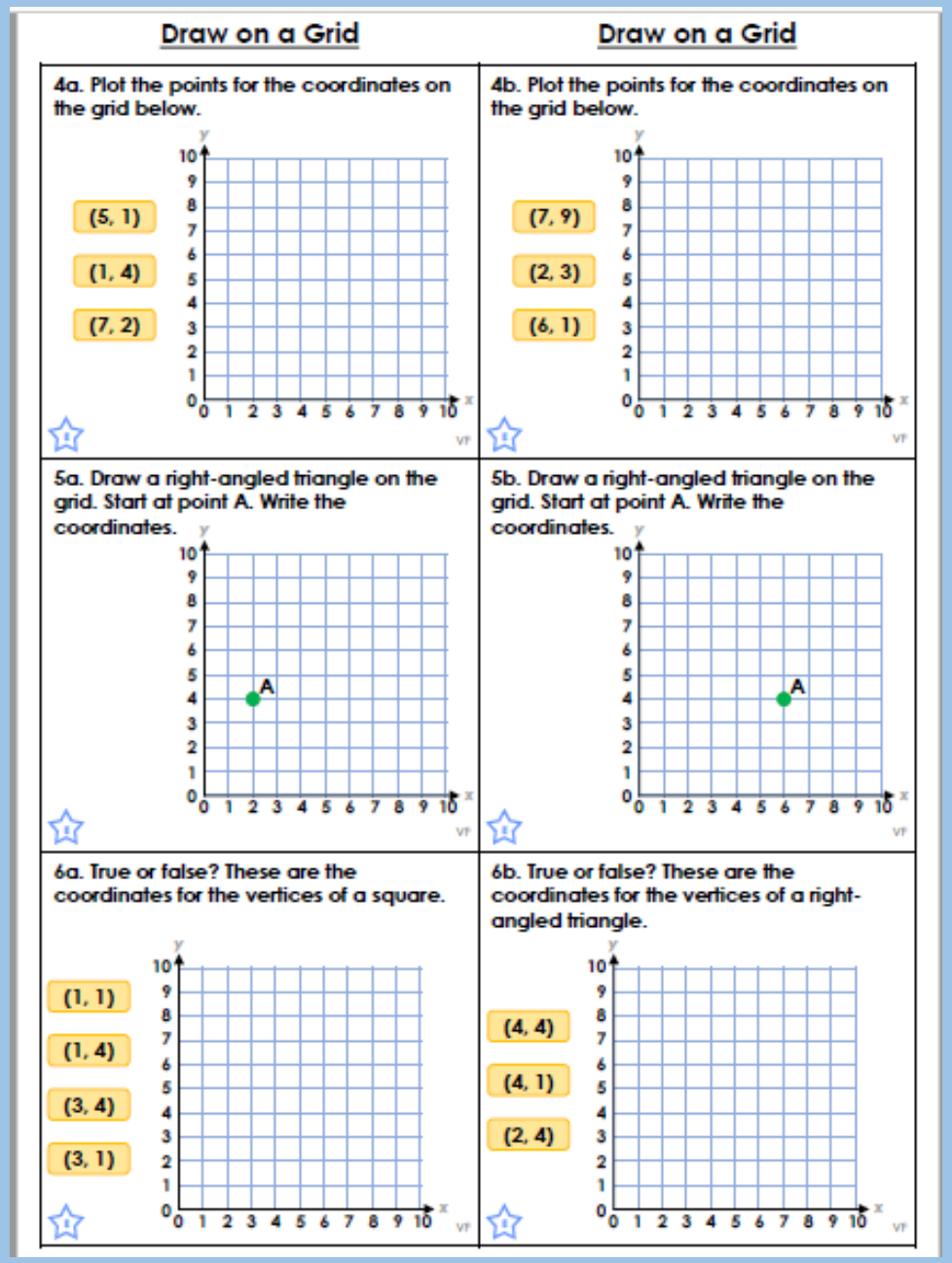
(7, 7)




False.



Can you correct the mistake so that the coordinates do make a square when joined up?



## Draw on a Grid

4a. Plot the points for the coordinates on the grid below.

(5, 1)

(1, 4)

(7, 2)

## Draw on a Grid

4b. Plot the points for the coordinates on the grid below.

(7, 9)

(2, 3)

(6, 1)

5a. Draw a right-angled triangle on the grid. Start at point A. Write the coordinates.

A

5b. Draw a right-angled triangle on the grid. Start at point A. Write the coordinates.

A

6a. True or false? These are the coordinates for the vertices of a square.

(1, 1)

(1, 4)

(3, 4)

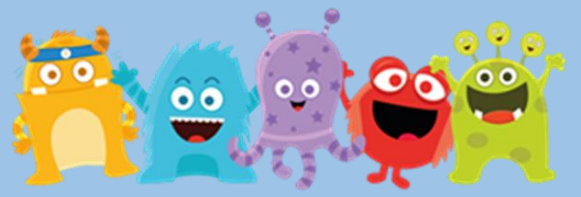
(3, 1)

6b. True or false? These are the coordinates for the vertices of a right-angled triangle.

(4, 4)

(4, 1)

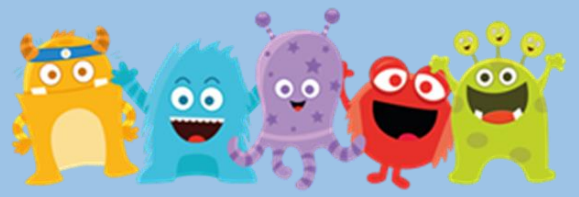
(2, 4)



On the school website, where you clicked to open this lesson, is a link to this activity. There are 3 different levels of challenge. You can choose which level you do. (or maybe you can have a go at them all!)

The answers are at the end of the document, so don't peek!!

As mentioned before, if you don't have access to a printer or some squared paper, see what you can do in your work book and then move along to the next page where there are some maths games for you to have a go at.



Coordinates game:

http://www.teacherled.com/2015/05/05/show-the-coordinate/

General maths games:

https://www.topmarks.co.uk/maths-games/daily10

https://www.topmarks.co.uk/maths-games/hit-the-button

https://www.topmarks.co.uk/money/toy-shop-money

http://ictgames.com/rangeArranger/