

Wednesday- maths



Use the clues to help you complete the 4-digit number grid.

one thousand, four hundred and seventy-three

five thousand, six hundred and fifty-eight

two thousand, one hundred and twenty-five

three thousand, four hundred and ninety-six

?

six thousand, three hundred and eighteen

two thousand, three hundred and eighty-six

two thousand, nine hundred and forty-one

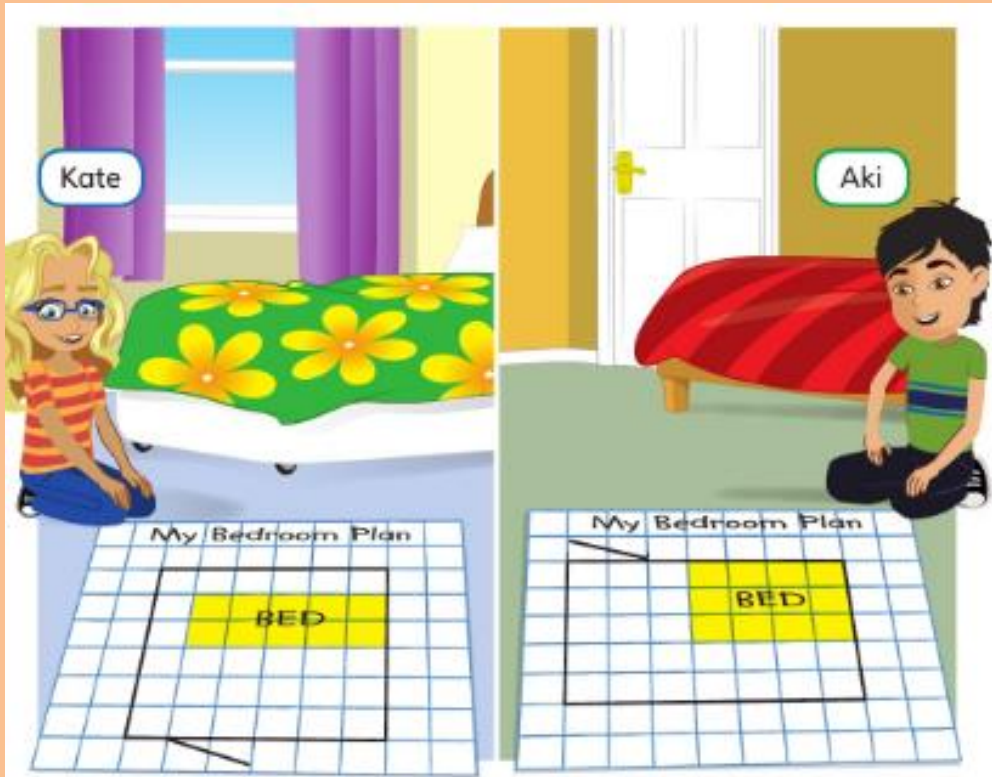
Write the missing number ? in words.

Reading the numbers horizontally, vertically and diagonally, which number in the grid is the largest number?

2	1	2	5
3	4	9	6
8	7	4	5
6	3	1	8

8745 is the largest number in the grid.


LO: To count squares to find area



- Who has the larger bed?
- How much empty space do they both have in their bedroom?

LO: To count squares to find area

a) We can use squared paper to help find the area of different shapes.



I numbered each square to make sure I did not miss any.

1	2	3	4	5
6	7	8	9	10

Kate's bed has 2 rows of 5 squares.

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

Aki's bed has 3 rows of 4 squares.

I have thought of a way to use times-table facts to help.

1	2	3	4	5

$$2 \times 5 = 10$$

1	2	3	4

$$3 \times 4 = 12$$

12 squares is a larger area than 10 squares, so Aki's bed is larger.



LO: To count squares to find area

b) Count the squares to find the area of the empty space.

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

1	2	3				
4	5	6				
7	8	9				
10	11	12	13	14	15	16
17	18	19	20	21	21	23

Kate has 26 squares of empty space in her bedroom.

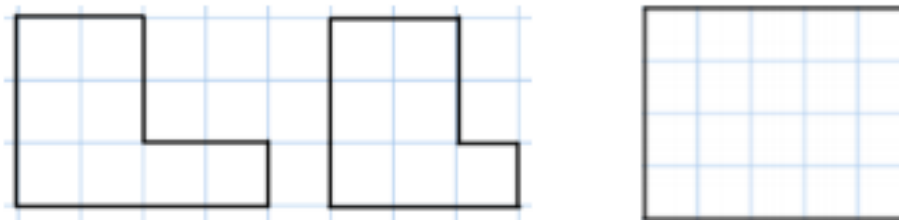
Aki has 23 squares of empty space in his bedroom.

LO: To count squares to find area

Fluency



Complete the sentences for each shape.



The area of the shape is ___ squares.



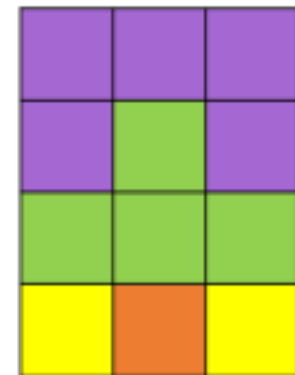
Here is a patchwork quilt.

It is made from different coloured squares.

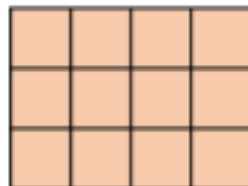
Find the area of each colour.

Purple = ___ squares Green = ___ squares

Yellow = ___ squares Orange = ___ squares



Jack uses his times-tables to count the squares more efficiently.

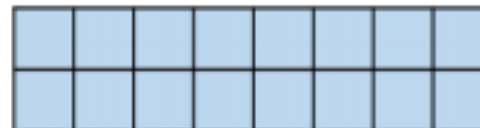


There are 4 squares in 1 row.

There are 3 rows altogether.

3 rows of 4 squares = 12 squares

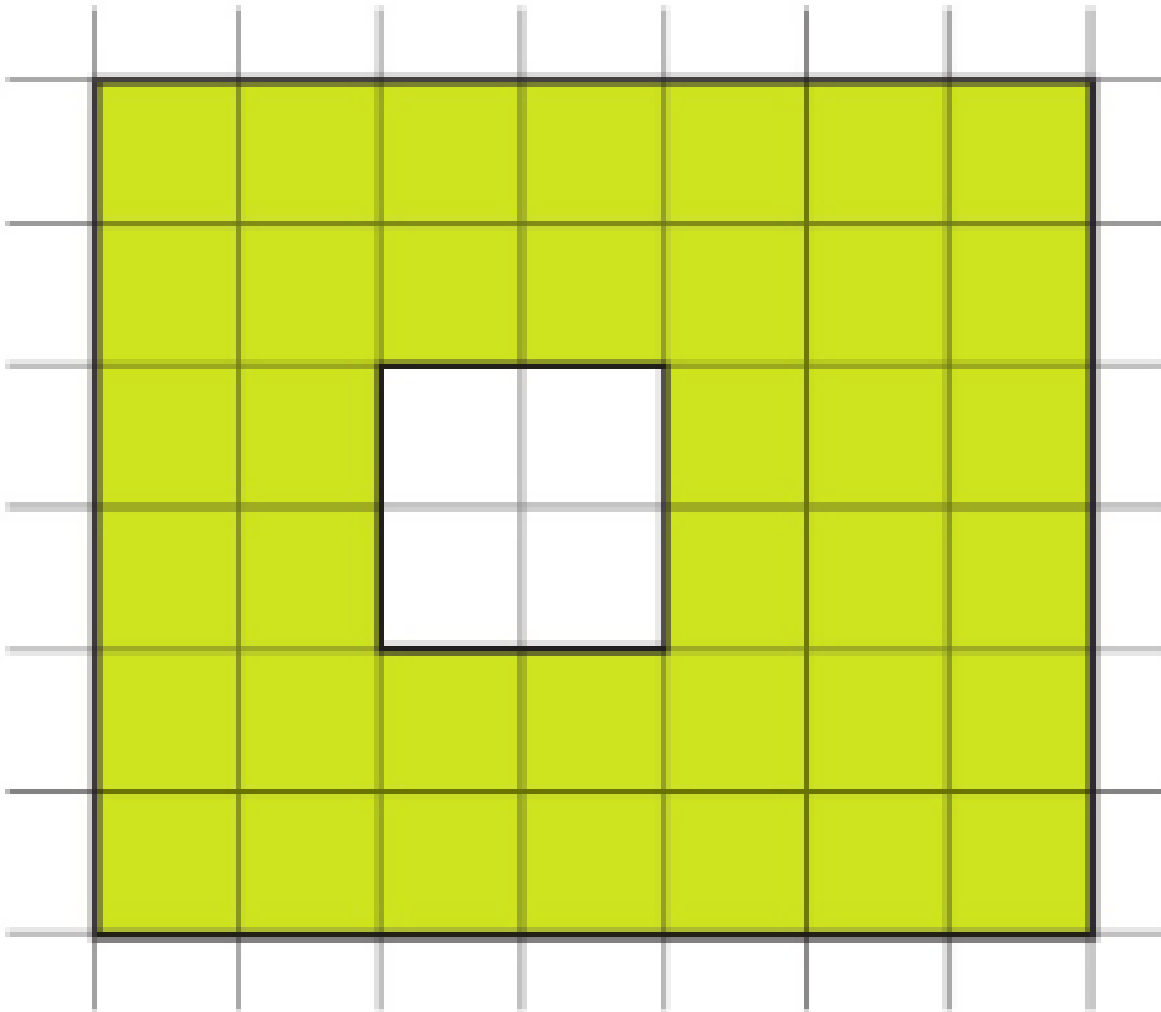
Use Jack's method to find the area of this rectangle.



LO: To count squares to find area

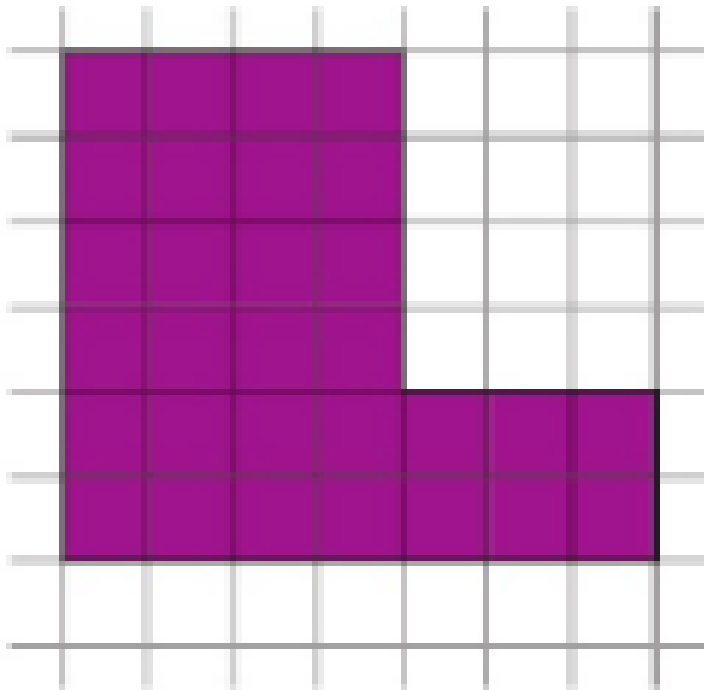
Reasoning

Explain to a partner how you would calculate the area of the shaded shape.

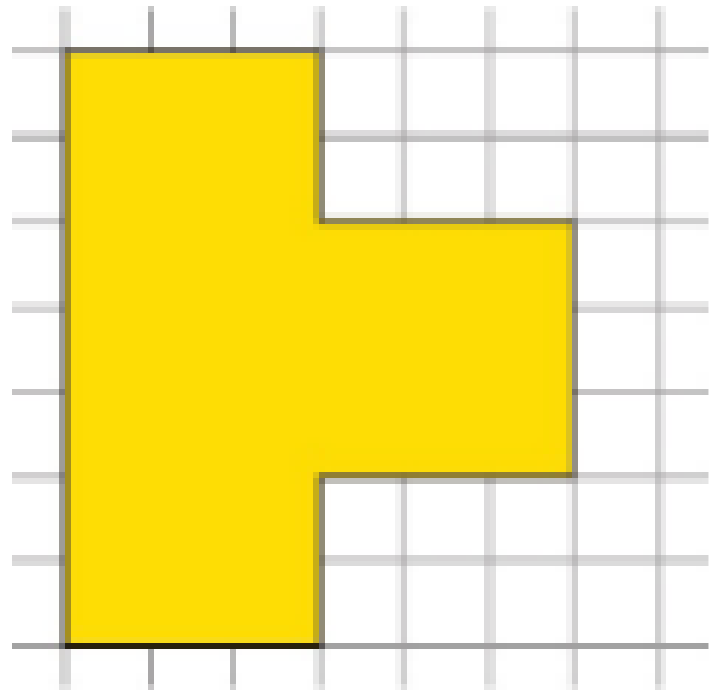


Work out the areas of these two rectilinear shapes.

A



B



LO:To count squares to find area

Reasoning Answer

You can find the area by counting the squares of the shape or you could multiply the length of squares by the width. So $7 \times 6 = 42$ and subtract the number of white squares. So $42 - 4 = 38$

The area is 38 squares

Problem Solving Answer

Both shapes have an area of 30 squares