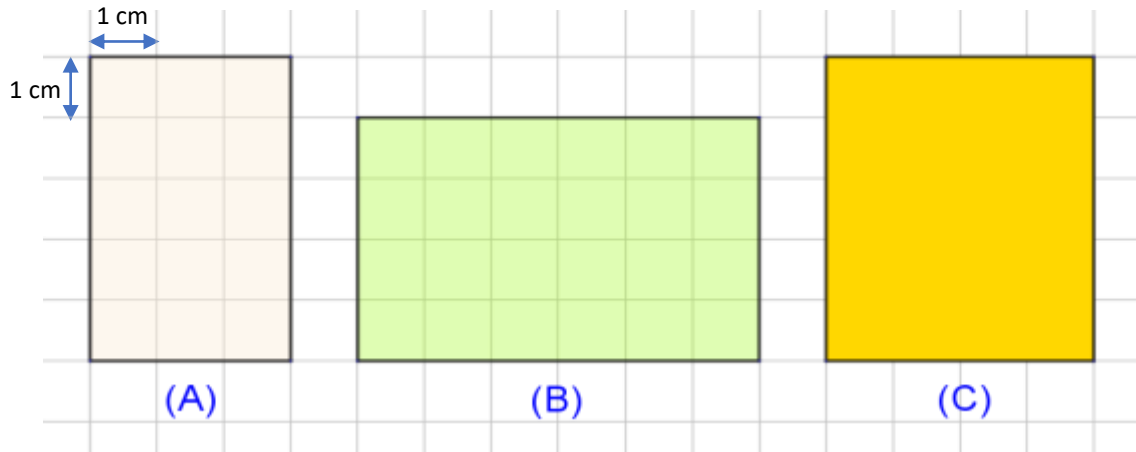


Name: _____

Date: _____

Task 1.

- (a) Find the area of each of the following rectangles.
(b) How did you get their areas, why? You can explain by marking, drawing or writing on the diagrams.



Rectangle A

- (a) The area is _____ .
(b) My method:

Rectangle B

- (a) The area is _____ .
(b) My method:

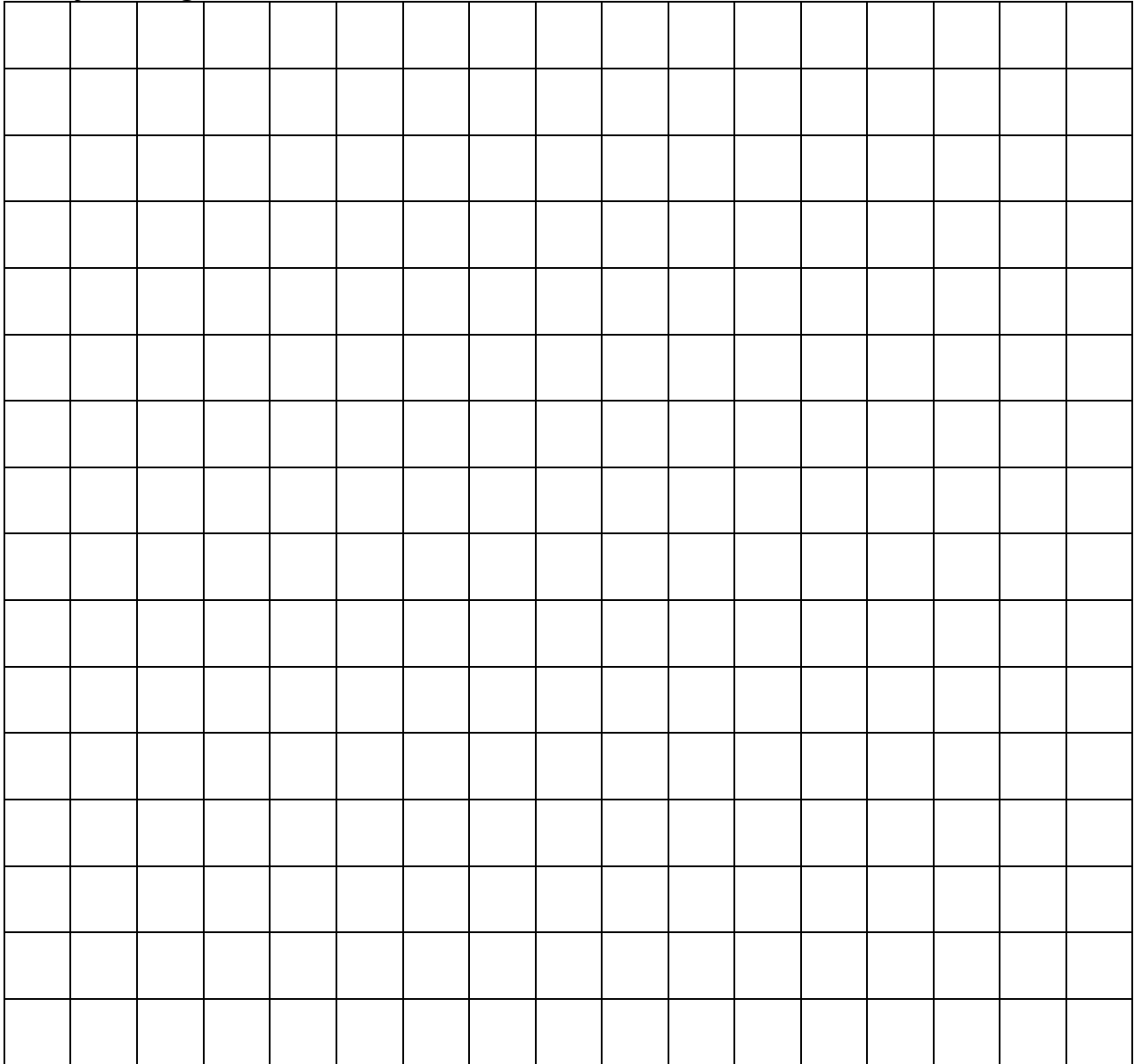
Rectangle C

- (a) The area is _____ .
(b) My method:

Task 2.

- (a) On the 1-cm grid paper below, draw all possible rectangles with an area of 12 cm².**
- (b) How do you know that the area is 12 cm²?**

(a) My rectangles:



(b) I know that the area is 12 cm² by

(You can write, draw or show steps, etc. to express your ideas.)

Task 3.

- (a) Draw all possible rectangles with an area of 18 cm^2 and label their bases and heights.
- (b) When you draw the rectangles, how do you know that all their sizes are 18 cm^2 ?

(a) My rectangles:

(If this worksheet is not big enough, ask your teacher for a bigger piece of paper.)

(b) I know that the area is 18 cm^2 by

(You can write, draw or show steps, etc. to express your ideas.)

(c) For all the rectangles you have drawn, what bases and heights would you suggest? Give whole numbers for your answers, by filling in the table below.

| | Base | Height | Area |
|-------------|------|--------|--------------------|
| Rectangle A | | | 18 cm ² |
| Rectangle B | | | |
| Rectangle C | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

(d) What relation do you find among the base, height and area of each rectangle?
Why is there such a relation?

The relation:

My reasons:

Task 4.

Get a paper rectangle from your teacher.

(a) Fill in the blanks.

My rectangle:

| Base | Height | Area |
|------|--------|------|
| | | |

- (b) (i) Tear out part of your rectangle and keep it as a secret to yourself.
(ii) Exchange the remaining (open) part with a classmate. Later, you two will be required to guess the area of each other's original rectangle.
- (c) (i) What is the area of your classmate's original rectangle?

Area of classmate's original rectangle:

- (ii) How did you find out that area? Try explaining in detail.
(Think about recovering the whole rectangle from the torn one. You may show your ideas by drawing, cutting or measuring, etc.)

I found out that area by