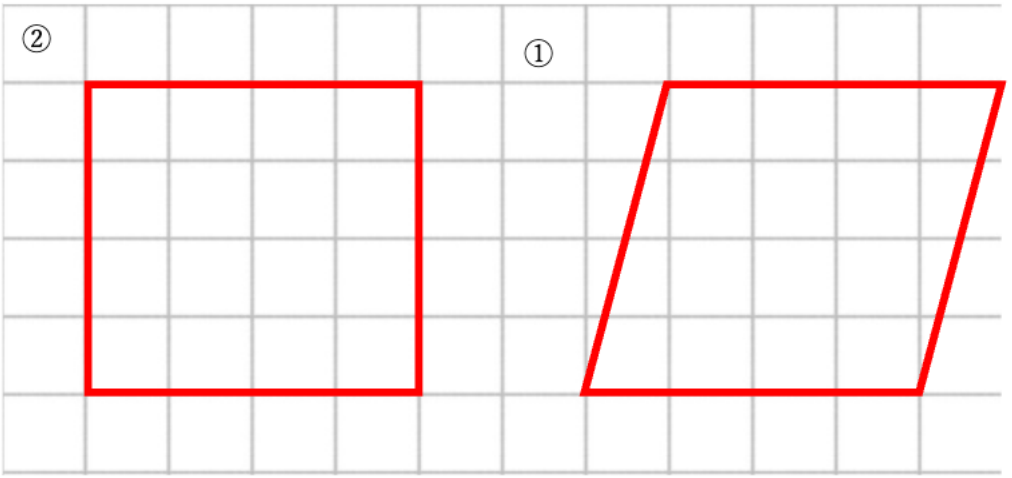
I Write dates, name and today's goal

Example) 1 /1/2024

Today's goal

Let's find the area of a quadrilateral and a parallelogram!

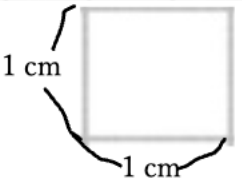
II Let's 1think how to find the area of two shape using the squares!



Premise (review if you know or doubt)

The area of a quadrilateral one centimeter in Length and width

1 cm × 1 cm = 1 ㎠



① There are 16 squares of 1 × 1 cm=1 ㎠ in the rectangle of ①.Therefore, the area of ① is 1 ㎠×16(piece)=16 ㎠. cm

② There are 12 rectangles of 1 × 1 cm=1 ㎠,and if you put the other triangles together, there are 4, so 12+ 4 =16 ㎠

※This place is basically good to share the answer

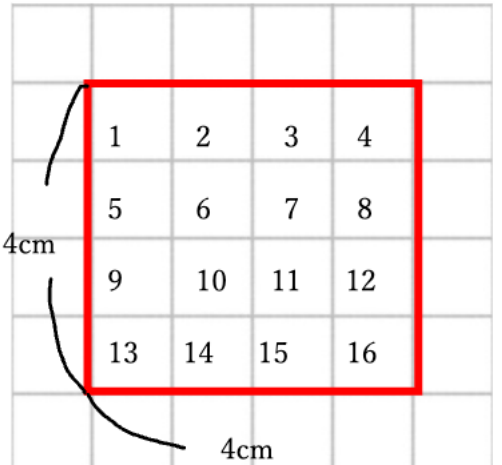
III How to think? Square

There are 16 squares of 1 cm× 1 cm=1 ㎠.So, the area of ① is 1 ㎠×16(piece)=16 ㎠

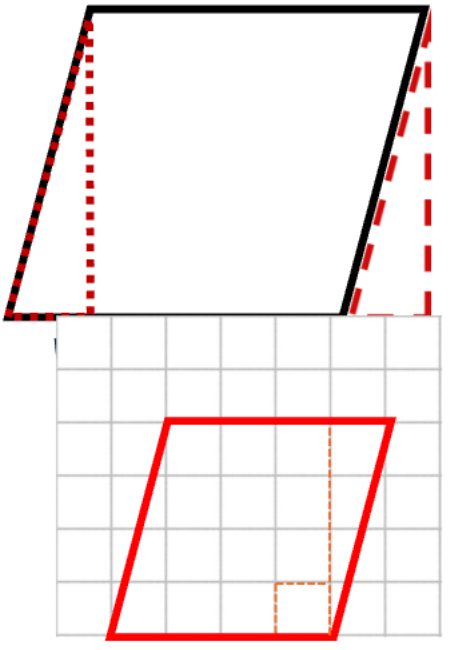
This area of 16 ㎠ is the same value as16 ㎠ by 4 cm in length and 4 cm in width. In other words, the area of a square can be found by the product of vertical×horizontal

$4 \times 4 = 16$ ㎠

Answer,16 ㎠



IV How to think? Parallelogram



If you cut out one parallelogram triangle and attach it to the other triangle, the rectangle is formed. Therefore, the area of a parallelogram is equal to the area of a rectangle. From the above, you can find area by standing up like a square.
※The condition is that the vertical length is 90° to the horizontal length.

$4 \times 4 = 16\ \text{cm}^2$

Answer $16\ \text{cm}^2$

V Point

Summary so far

quadrilateral formula

(A)cm × (B)cm

parallelogram formula

(A)cm × (B)cm

VI Practice

Answers

① $6\ \text{cm} \times 3\ \text{cm} = 18\ \text{cm}^2$

② $8\ \text{cm} \times 5\ \text{cm} = 40\ \text{cm}^2$