



Classwork 3/18/2020

Rectilinear figures

Today you will work on this presentation and you will also spend 10 minutes on First in Math.



Learning Objectives:

Math: We have been working on area of rectangles and today we will extend that knowledge by learning how to find the area of more complicated shapes. We will also continue our practice with facts by working on First in Math.

Learning Activities:

Math: Please work through the PowerPoint and answer the questions that are asked of you. Soon I will ask that you turn in your answers, but not today. When you are done please work on First in Math for 10 minutes – I will be able to see your progress there, so you don't have to send me anything.

 How I will see/check your work: as above

 How We Communicate: email lcronin@wtps.org

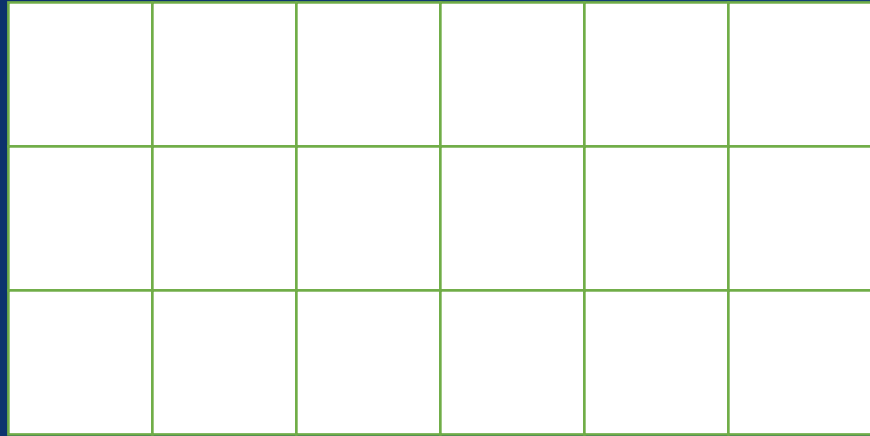
3.OA.A.1, 3.OA.C.7, 3.OA.D.9 , 3.MD.C.5.b , 3.MD.C.6, 3.MD.C.7.b, 3.MD.C.7.d



Rectilinear Figures

Big name – easy thing!

We know how to find area...

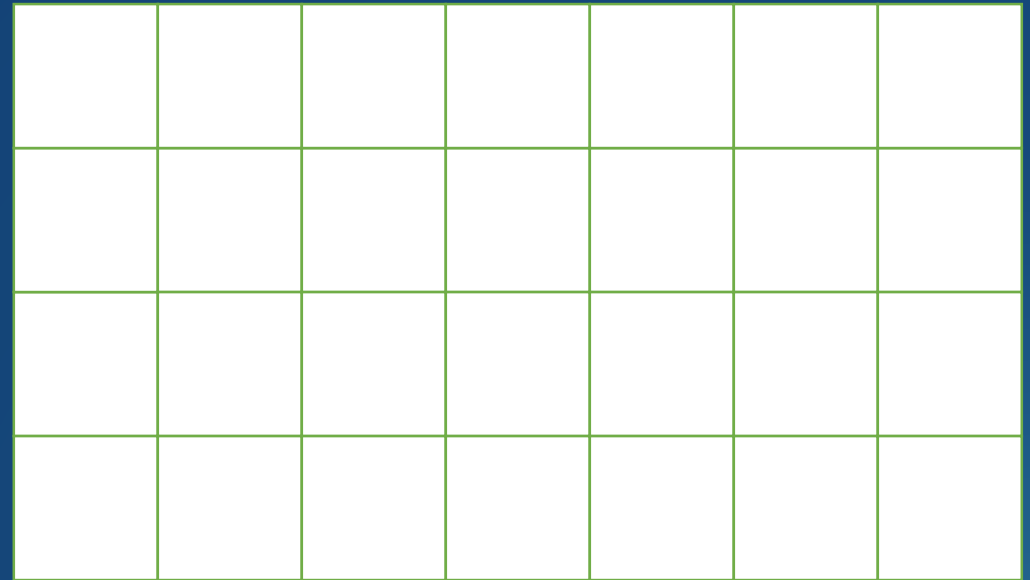
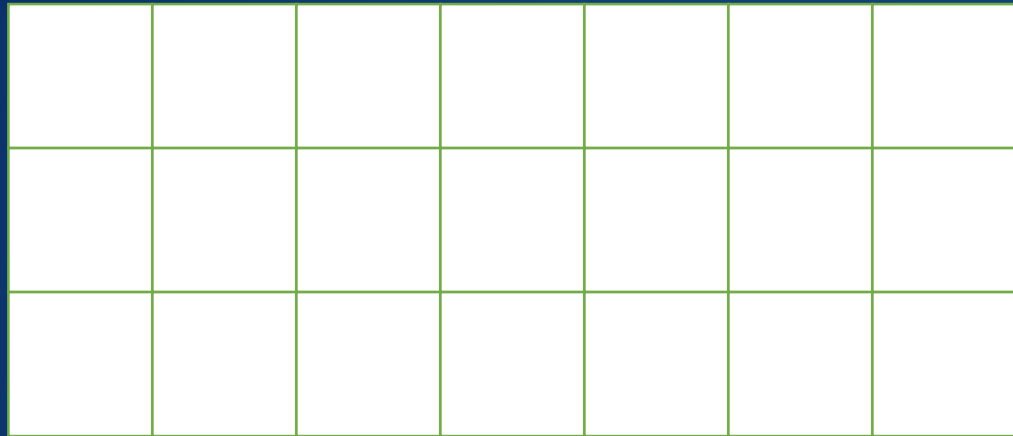


a = length x width

a = 6 x 3

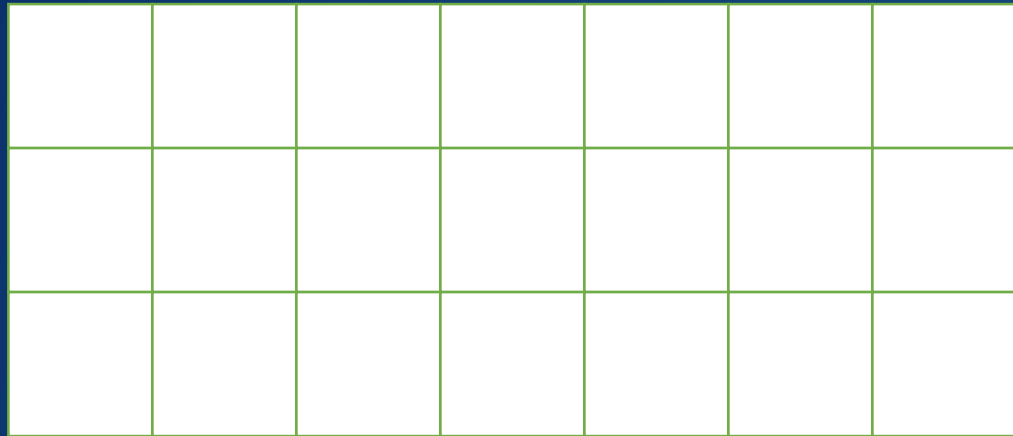
a = 18 in.² (18 inches squared)

Practice a little....



Find the area of these figures then move to the next page to check your work.

Practice a little....

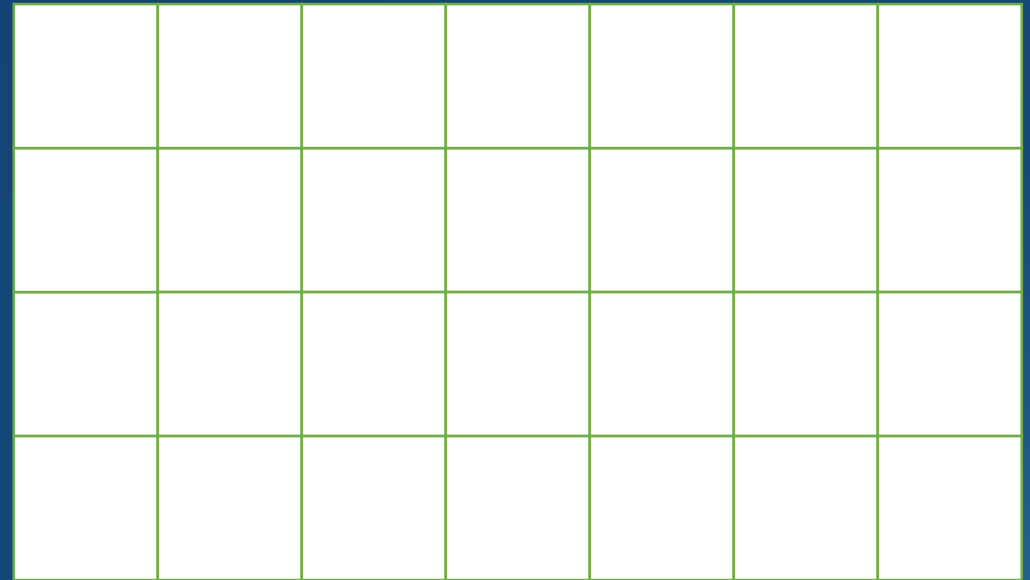


a = length x width

a = 7 x 3

a = 21 in.² (21 inches squared)

Did you get that right?



a = length x width

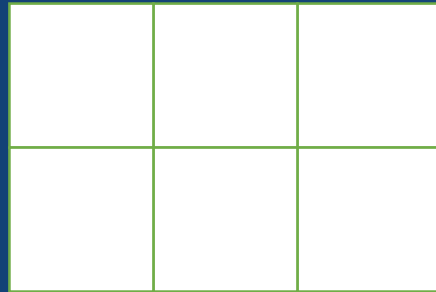
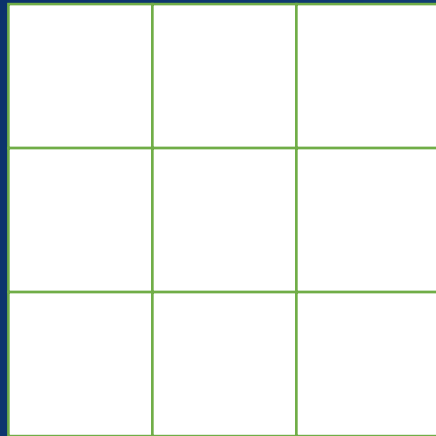
a = 7 x 4

a = 28 in.² (28 inches squared)

Did you get that right?

Try this...

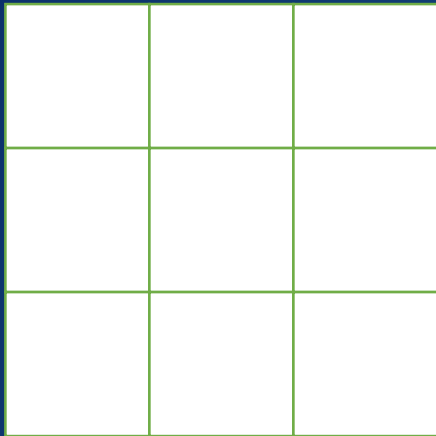
What is the area of these two shapes combined?



Find the area of these figures then move to the next page to check your work.

Try this...

What is the area of these two shapes combined?



$$a = l \times w$$
$$a = 3 \times 3$$
$$a = 9 \text{ in.}^2$$

$$a = l \times w$$
$$a = 2 \times 3$$
$$a = 6 \text{ in.}^2$$

Did you get that?

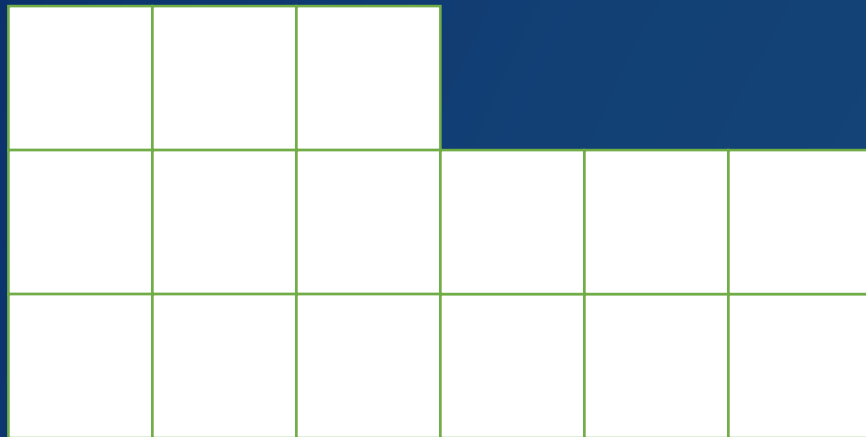
Awesome! But now what?

What do you think?

You are amazing!
Correct – add them!!

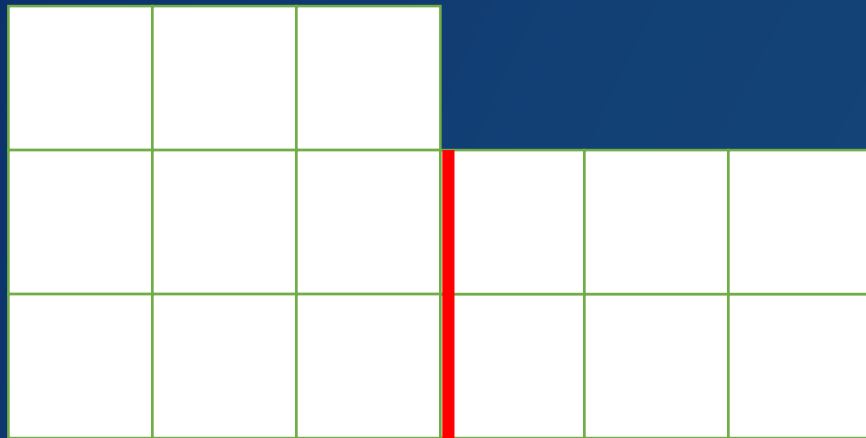
$$9 + 6 = 15 \text{ in.}^2$$

OK. But what if those shapes are connected?
Could we still find the area of each shape and add them up?



Find the area of these figures then move to the next page to check your work.

OK. But what if those shapes are connected?
Could we still find the area of each shape and add them up?

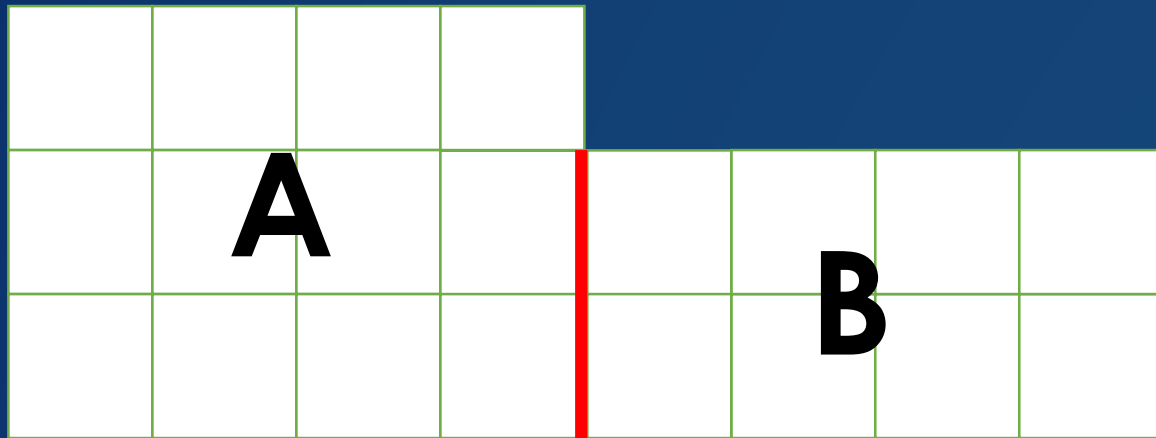


$$9 + 6 = 15 \text{ in.}^2$$

Draw a line between the two shapes then add up the area of each!

Try this one yourself

Find the area of each shape then add them up to find the area of the whole figure.



Draw a line
Label each shape
then do the math!

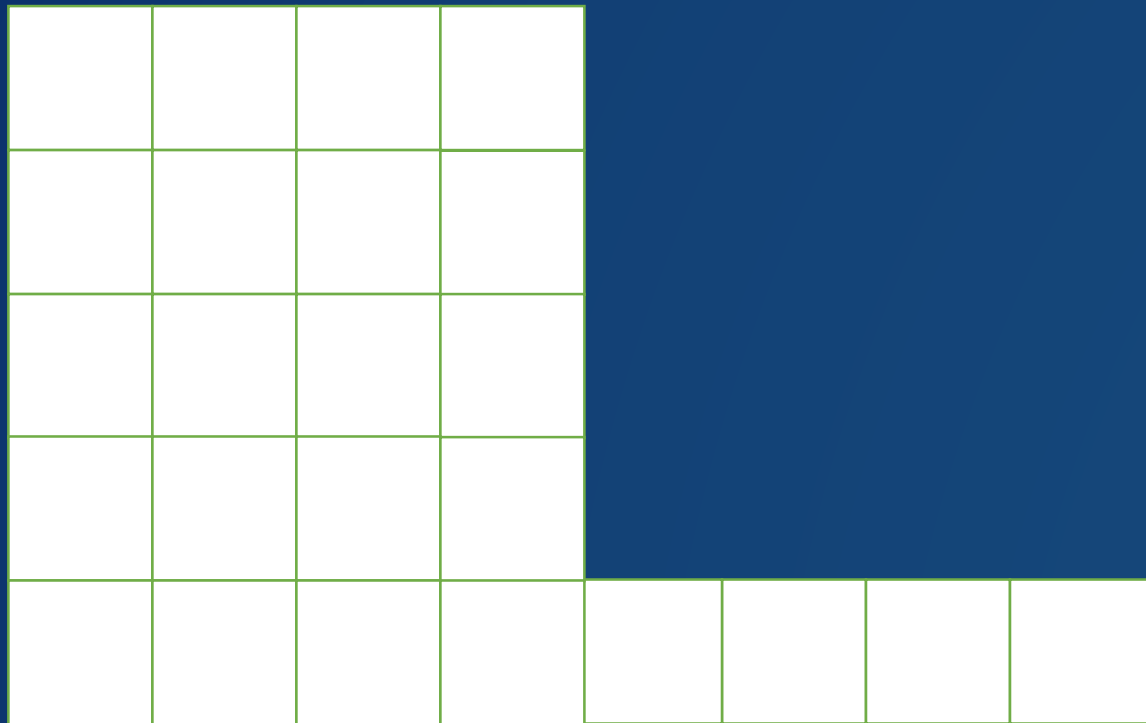
Area of Shape A
 $a = 3 \times 4 = 12 \text{ in}^2$

Area of Shape B
 $a = 2 \times 4 = 8 \text{ in}^2$

$12 + 8 = 20 \text{ in}^2$

One more

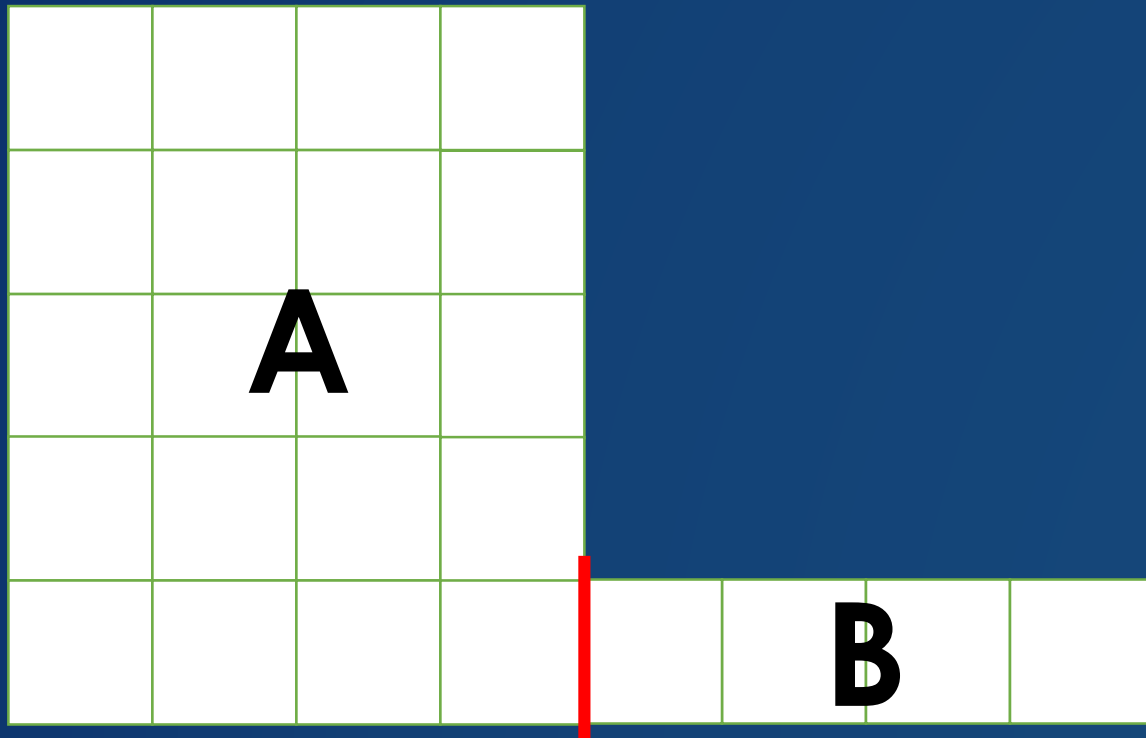
Find the area of each shape then add them up to find the area of the whole figure.



Find the area of these figures then move to the next page to check your work.

One more

Find the area of each shape then add them up to find the area of the whole figure.



Draw a line
Label each shape
then do the math!

Area of Shape A
 $a = 4 \times 5 = 20 \text{ in}^2$

Area of Shape B
 $a = 1 \times 4 = 4 \text{ in}^2$

$20 + 4 = 24 \text{ in}^2$



We will try some more tomorrow!



**How did you do?
Did you get it?**

**Email me and let me know!
lcronin@wtps.org**