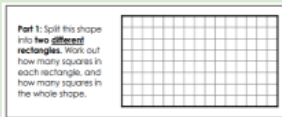


Q 1. Split the shape into 2 different rectangles.

Part 1:

You can write your calculations in this text box:



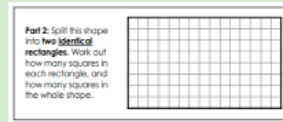
$15 \times 8 = 120$
 $10 \times 8 = 80$
 $5 \times 8 = 40$
 $40 + 80 = 120$

5

Q 2. Split the shape into 2 identical rectangles.

Part 2:

You can write your calculations in this text box:



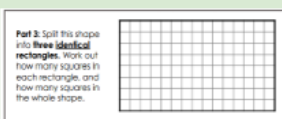
$15 \times 4 = 60$
 $15 \times 4 = 60$
 $60 + 60 = 120$

6

Q 3. Split the shape into 3 identical rectangles.

Part 3:

You can write your calculations in this text box:



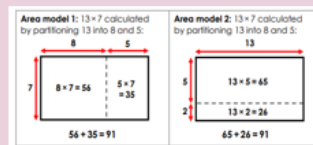
$5 \times 8 = 40$
 $5 \times 8 = 40$
 $5 \times 8 = 40$
 $40 + 40 + 40 = 120$

7

Extend Task: The Area Model

Extend:

You can write your calculations in this text box:



$10 \times 7 = 70$
 $3 \times 7 = 21$
 $70 + 21 = 91$

8

Extend Task: The Area Model

How many ways can you calculate 14×9 using the area model?

You can write your calculations in this text box:

Calculate 14×9 using an area model. Do in different ways. Show your first two methods by labeling the rectangle below:



$10 \times 9 = 90$
 $4 \times 9 = 36$
 $90 + 36 = 126$
 Or 7×9 and 7×9
 Or 3 lots of 14×3
 Or 7 lots of 2×9

9

ANSWERS!

Answers:

Green Task: Part 1 example: a vertical line splits the shape into sections of $5 \times 6 = 30$ and $4 \times 6 = 24$. Part 2 answer: a horizontal line splits the shape into two sections of $3 \times 9 = 27$. Part 3 answer: three vertical lines split the shape into three sections of $3 \times 6 = 18$ or two horizontal lines split the shape into three sections of $2 \times 9 = 18$.

Yellow Task: Part 1 example: a vertical line splits the shape into sections of $10 \times 8 = 80$ and $5 \times 8 = 40$. Part 2 answer: a horizontal line splits the shape into two sections of $4 \times 15 = 60$. Part 3 answer: two vertical lines split the shape into three sections of $5 \times 8 = 40$.

Extend: There are multiple possible answer e.g. partition the 14 into 7 & 7, partition the 9 into 3 & 3 & 3. Encourage children to answer in many different ways. Also, note that 14×9 is 9 less than 14×10 .

10