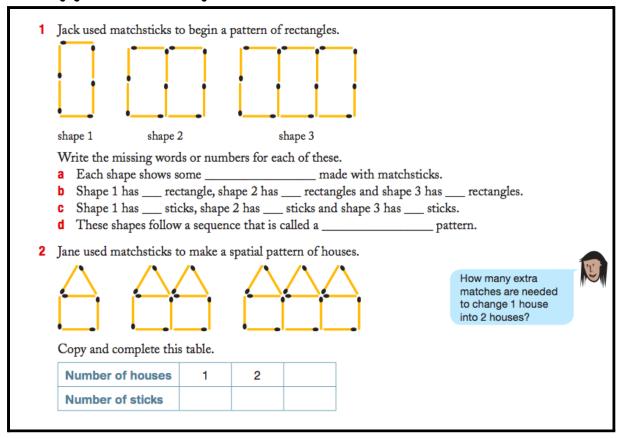
Big Idea

Mana tangata: Build on individual strengths, increase learners' self-confidence and self-esteem, and allow your learners to make a contribution. Mana tangata means developing self-esteem through contributing. Mana tangata helps describe a learner-centred teaching environment because the learner's contribution and resulting self-esteem is important. (PE tough guy & girl challenge at Barry Curtis Park, Radio station, band, wearable art, mural, students to identify their passion projects, etc...)

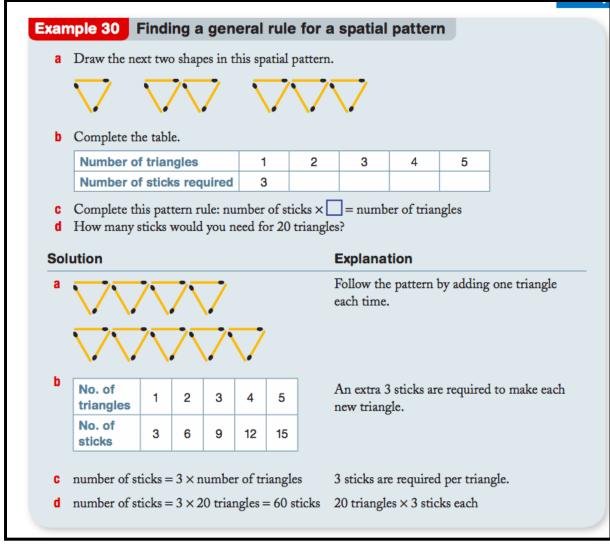
Checking your understanding from last time Do now



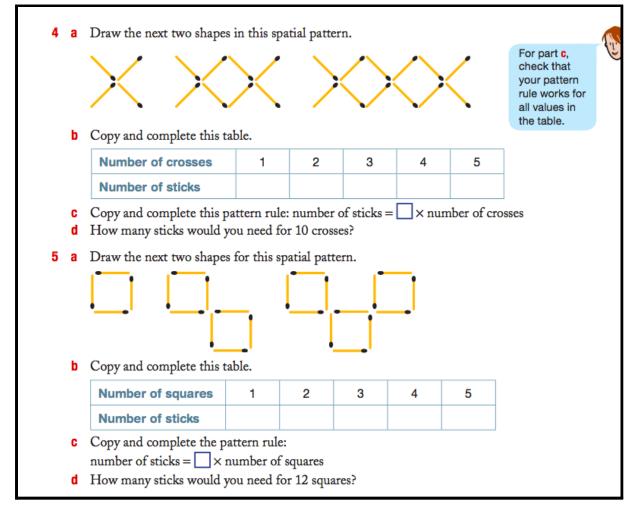
WALT form rules from the given spatial patterns

Success Criteria I can see and count how the numbers increase in a pattern multiple additions can also be written as a multiple of a number

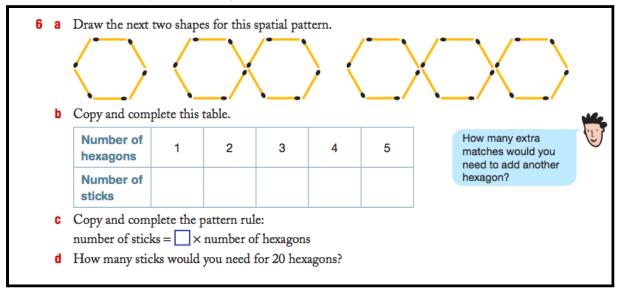
Matchstick pattern rules video

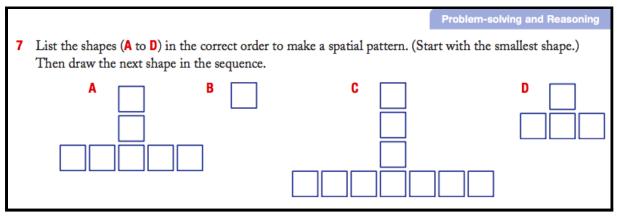


Further work on patterns video

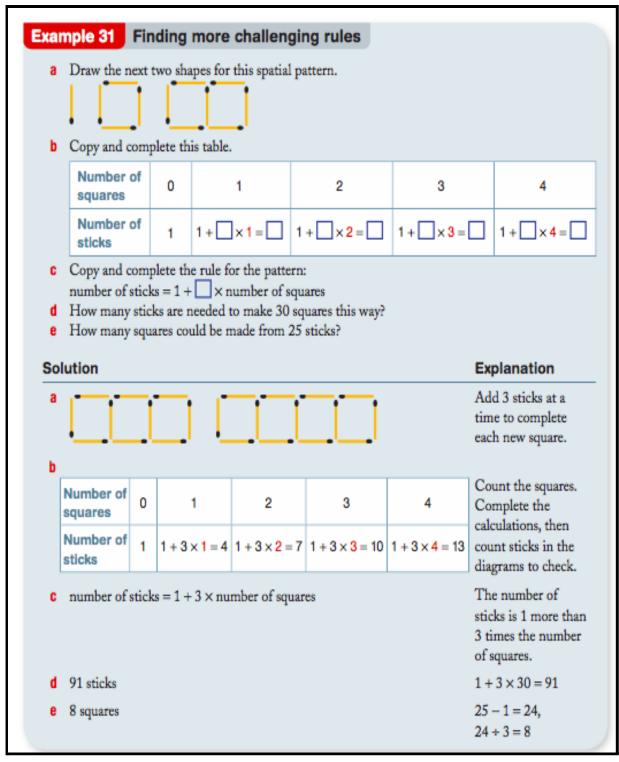


Watch the video on patterns explanation



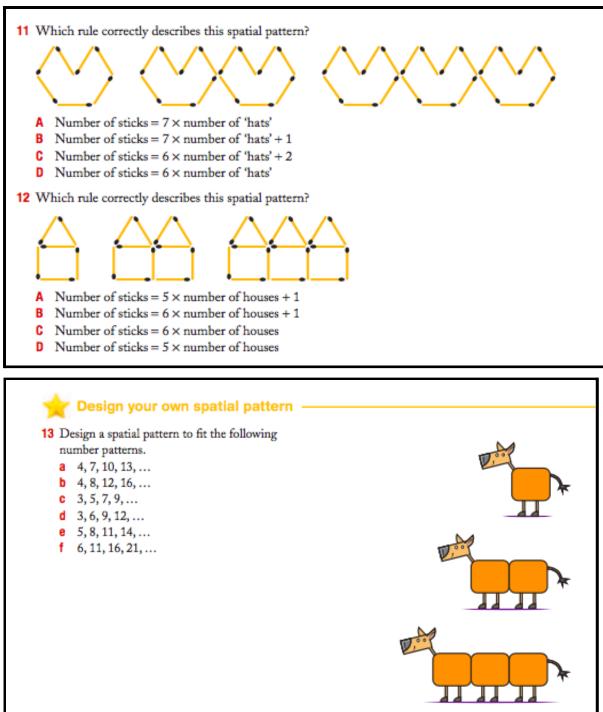


Challenge and extension



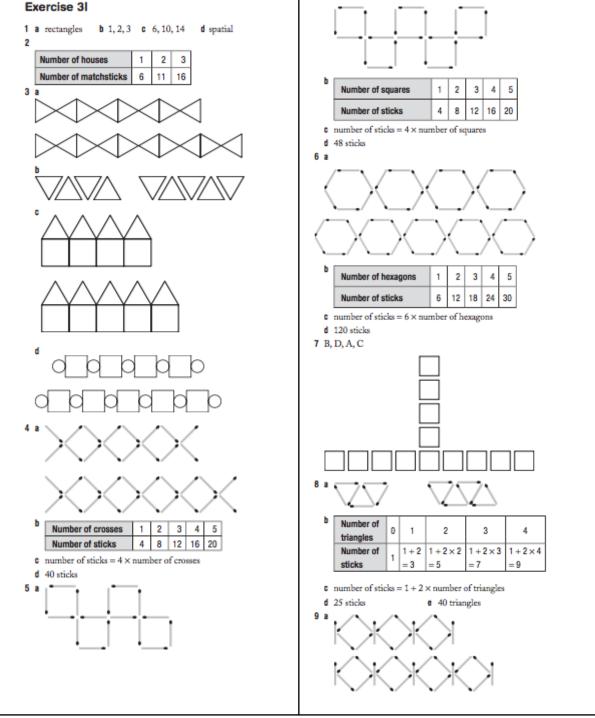
Read the information given abo	ove
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	\setminus	/	\searrow			How many extra matches are needed to make 1 matchstick	
b	Copy and com	plete tl	his table.			into a triangle?	
	Number of triangles	0	1	2	3	4	
	Number of sticks	1	1 + 🗌 = 🛄	1 + 🗌 × 2 = 🗌	1 + 🗌 × 3 = 🗌	1 + 🗌 × 4 = 🛄	
C		-	he rule for this pa				
d			+ × number of needed to make	of triangles 12 triangles this w	Sue		
e			could be made fro		ay:		
9 a			apes in this spati				
_	ΙK	K	$\langle \rangle$	X	4	Copy the last shape and add more sticks to make the next	
b	Copy and com	plete tl	his table.			shape.	
	Number of shapes	0	1	2	3	4	
	Number of sticks	1	1 + 🗌 = 🗌	1 + 🗌 × 2 = 🗌	1 + 🗌 × 3 = 🗌	1 + 🗌 × 4 = 🛄	
C			he rule for this pa				
d			+ × number of needed to make	of shapes 20 shapes this way	~?		
e			uld be made from				
10 a	Draw the next two shapes in this spatial pattern.						
	0 fence section 1 fence section 2 fence section						
	Copy and complete this table.						
b	a off, and some				3	4	
b	Number of fence section	ns (0 1	2	5	-	
b	Number of	ns		2 1 + 🗌 × 2 = 🛄			



Answers





Answers

