CHAPTER 4
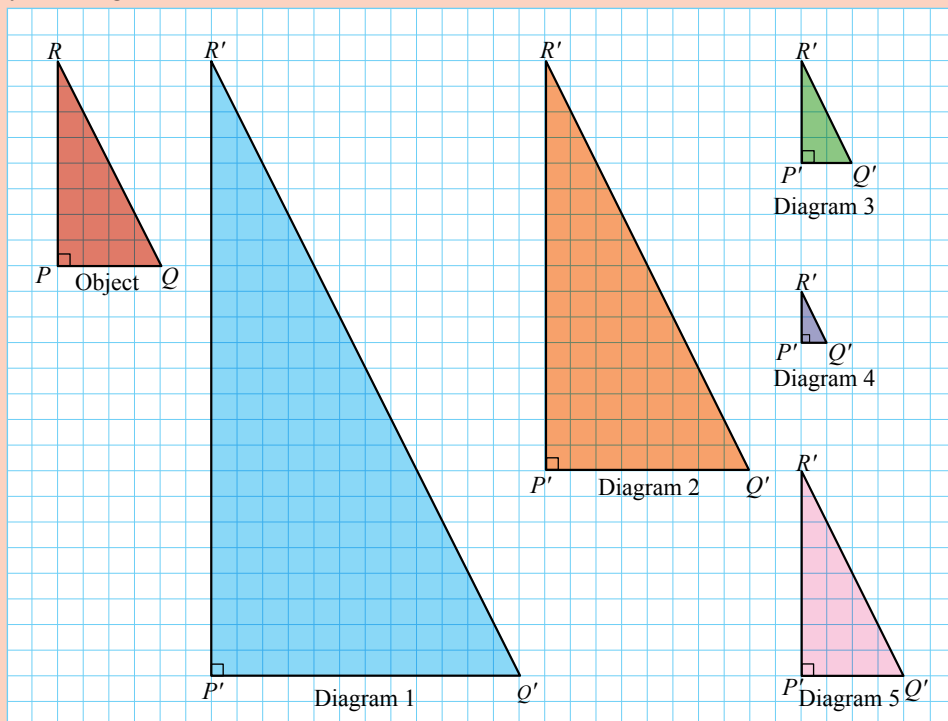
Brainstorming 1 👀   👥 **In pairs**

Aim: Interpret the scale of a scale drawing.

Steps:

1. Study the diagrams below.

2. Complete the table below based on the diagrams above.

Diagram	Scale drawing		Object		Scale	
	Side	**Length (unit)**	**Side**	**Length (unit)**	**Ratio**	**1 : n**
Diagram 1	$P'Q'$	12	PQ	4	12 : 4	$1 : \dfrac{1}{3}$
	$P'R'$	24	PR	8	24 : 8	$1 : \dfrac{1}{3}$
Diagram 2	$P'Q'$		PQ			
	$P'R'$		PR			
Diagram 3	$P'Q'$		PQ			
	$P'R'$		PR			
Diagram 4	$P'Q'$		PQ			
	$P'R'$		PR			
Diagram 5	$P'Q'$		PQ			
	$P'R'$		PR			

Discussion:

Discuss the results based on the table above.

From Brainstorming 1, it is found that:

If $n < 1$, then the size of the scale drawing is bigger than the size of the object.
If $n > 1$, then the size of the scale drawing is smaller than the size of the object.
If $n = 1$, then the size of the scale drawing is the same as the size of the object.