

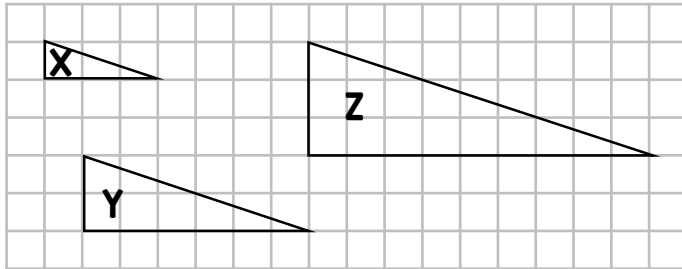
Summer Term Maths Year 10

Enlargement by a positive fractional scale factor

Day 4

Week 8

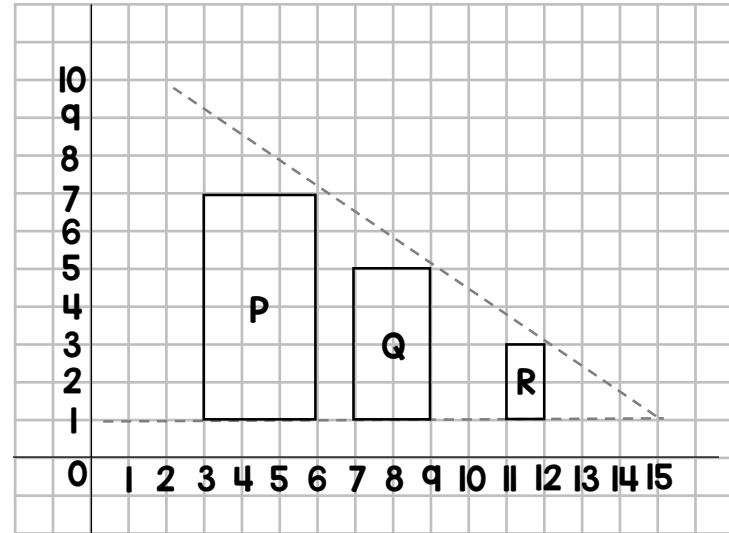
1



Complete this table:

Enlargement		
From	To	Scale factor
X		2
	X	$\frac{1}{2}$
X	Z	
		$\frac{1}{3}$
	Z	$\frac{3}{2}$
Z	Y	

2



R is an enlargement of P by scale factor $\frac{1}{3}$ from centre of enlargement (15,1).

- (a) Describe the enlargement from Q to R.
 (b) Describe the enlargement from Q to P.

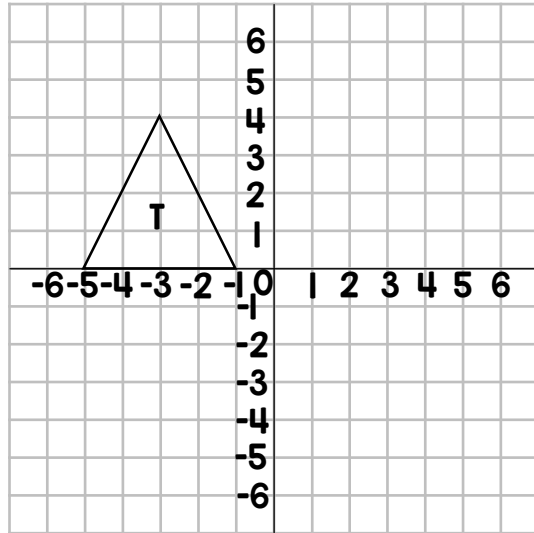
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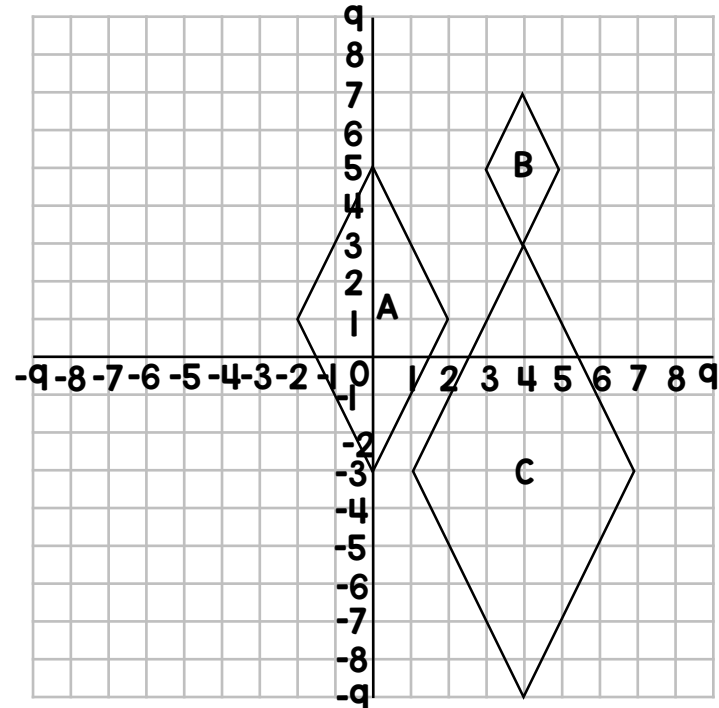
Week 8

3



- (a) Enlarge T by a scale factor $\frac{1}{2}$ from centre (3, 6). Label the new shape U.
- (b) Enlarge T by a scale factor $\frac{1}{4}$ from centre (3, 0). Label the new shape V.
- (c) Enlarge T by a scale factor 1.5 from centre (-5, 6). Label the new shape W.

4



Describe fully the transformation that maps:

- (a) A onto B
(b) A onto C
(c) C onto B
(d) C onto A