

7th Grade Year in Review 8

Name: _____

Time to investigate! Show your work for each question and circle your answer. This is due by Thursday, May 26th (10 points)

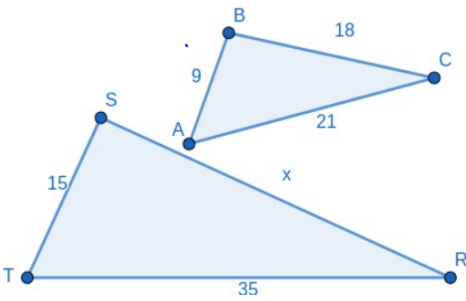
1.

$$5\frac{1}{4} \times 4\frac{2}{3}$$

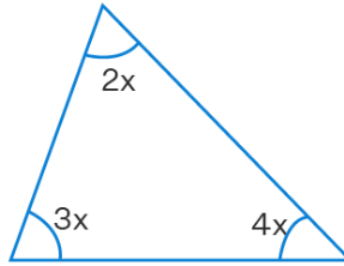
2.

$$9\frac{4}{5} \div 1\frac{1}{13}$$

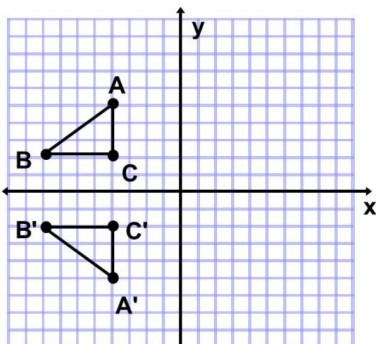
3. Find the unknown length given that the triangles are similar.



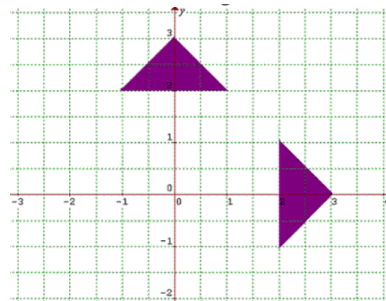
4. What is the value of x?



5. Identify the transformation. If it is a reflection, identify the line of reflection, If it is a rotation, give the angle and direction of rotation.



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7. What number is 76% of 25?

8. Write two equivalent fractions that describe the model.



9. What is the LCM of 90 and 165 ?

10. What is the GCF of 42, 81 and 105 ?