

## Proportions

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Determine whether the ratios are proportional.

1.  $\frac{7}{11}, \frac{42}{60}$

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2.  $\frac{10}{18}, \frac{38}{72}$

\_\_\_\_\_

3.  $\frac{18}{28}, \frac{27}{42}$

\_\_\_\_\_

4.  $\frac{6}{14}, \frac{15}{35}$

\_\_\_\_\_

5.  $\frac{9}{24}, \frac{16}{40}$

\_\_\_\_\_

6.  $\frac{12}{39}, \frac{20}{65}$

\_\_\_\_\_

Find a ratio equivalent to each ratio. Then use the ratios to write a proportion.

7.  $\frac{7}{31}$

\_\_\_\_\_

8.  $\frac{24}{51}$

\_\_\_\_\_

9.  $\frac{6}{29}$

\_\_\_\_\_

10.  $\frac{14}{23}$

\_\_\_\_\_

11.  $\frac{17}{39}$

\_\_\_\_\_

12.  $\frac{25}{32}$

\_\_\_\_\_

Complete each table of equivalent ratios.

13. 4 CDs to 10 tapes

CDs	2		10		28
Tapes		10		30	

14. 9 triangles per 6 circles

Triangles		9		30	
Circles	2		8		50

Find two ratios equivalent to each given ratio.

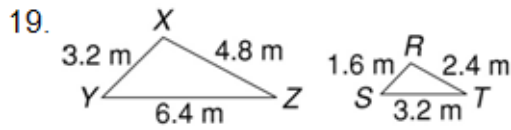
15. 10:21 \_\_\_\_\_

16. 15:8 \_\_\_\_\_

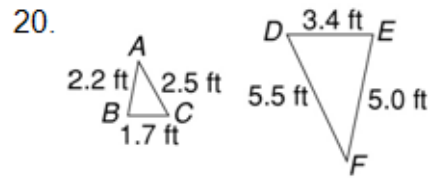
17.  $\frac{5}{9}$  \_\_\_\_\_

18.  $\frac{24}{11}$  \_\_\_\_\_

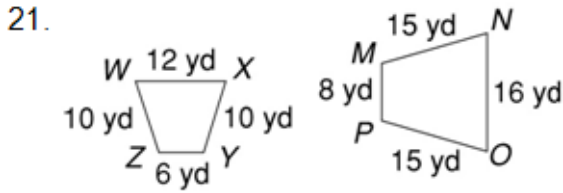
Tell whether the figures are similar.



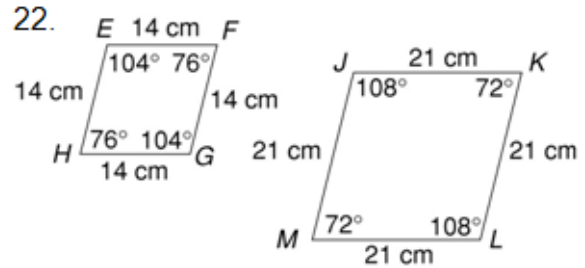
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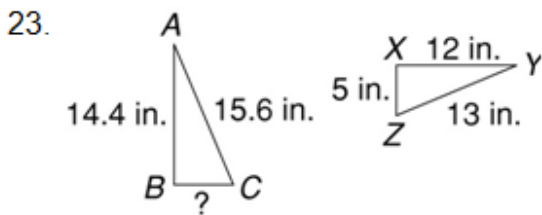


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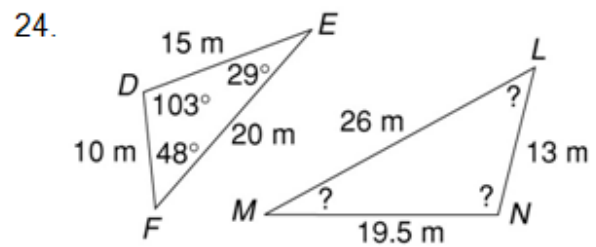


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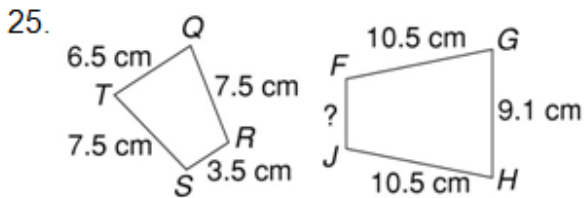
The figures in each pair are similar. Find the missing lengths or angle measures.



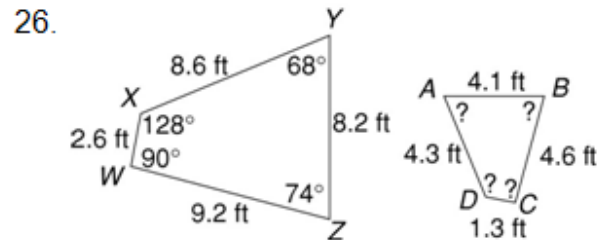
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