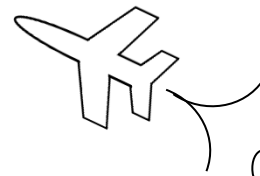


# MAth on the Fly!

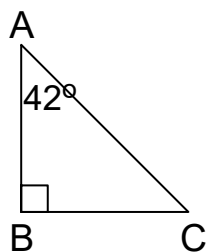


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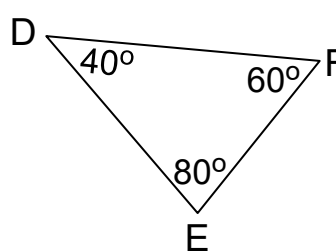
## Ordering Sides and Angles of Triangles

For each triangle, list the lengths of the sides from least to greatest.

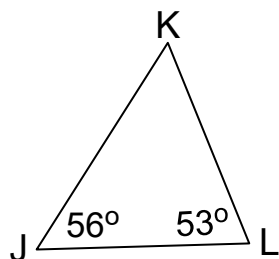
1.



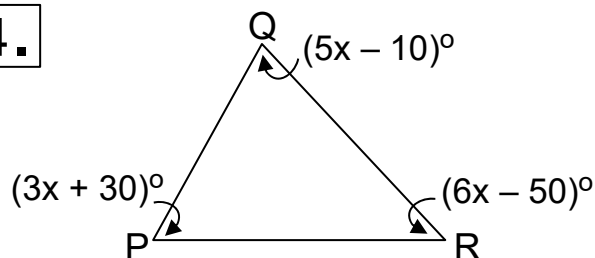
2.



3.

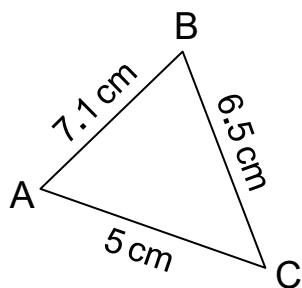


4.

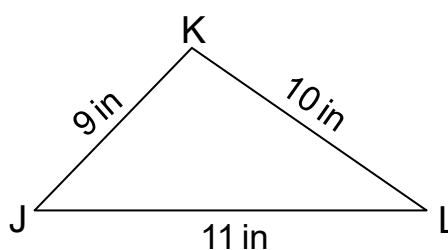


For each triangle, list the measures of the angles from least to greatest.

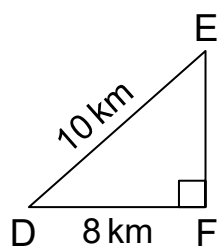
5.



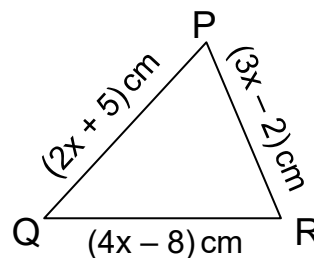
6.



7.



8.



Perimeter  
=  $40\text{ cm}$

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## SOLUTIONS

1.  $\angle A = 42^\circ$ ,  $\angle C = 48^\circ$ ,  $\angle B = 90^\circ$

Order:  $\overline{BC}$ ,  $\overline{AB}$ ,  $\overline{AC}$

2.  $\angle D = 40^\circ$ ,  $\angle F = 60^\circ$ ,  $\angle E = 80^\circ$

Order:  $\overline{EF}$ ,  $\overline{DE}$ ,  $\overline{DF}$

3.  $\angle L = 53^\circ$ ,  $\angle J = 56^\circ$ ,  $\angle K = 71^\circ$

Order:  $\overline{JK}$ ,  $\overline{KL}$ ,  $\overline{JL}$

4. The angles add up to  $180^\circ$ ,  $x = 15$   
 $\angle R = 40^\circ$ ,  $\angle Q = 65^\circ$ ,  $\angle P = 75^\circ$

Order:  $\overline{PQ}$ ,  $\overline{PR}$ ,  $\overline{QR}$

5.  $\overline{AC} = 5$ ,  $\overline{BC} = 6.5$ ,  $\overline{AB} = 7.1$

Order:  $\angle B$ ,  $\angle A$ ,  $\angle C$

6.  $\overline{JK} = 9$ ,  $\overline{KL} = 10$ ,  $\overline{JL} = 11$

Order:  $\angle L$ ,  $\angle J$ ,  $\angle K$

7.  $\overline{EF} = 6$ ,  $\overline{DF} = 8$ ,  $\overline{DE} = 10$   
(Use the Pythagorean Theorem to get  $\overline{EF}$ )

Order:  $\angle D$ ,  $\angle E$ ,  $\angle F$

8. The sides add up to 40cm,  $x = 5$   
 $\overline{QR} = 12$ ,  $\overline{PR} = 13$ ,  $\overline{PQ} = 15$

Order:  $\angle P$ ,  $\angle Q$ ,  $\angle R$