Skip Intro

It's Time to Play

End Game

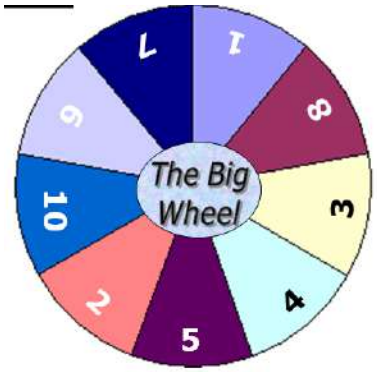
Points

[redacted]

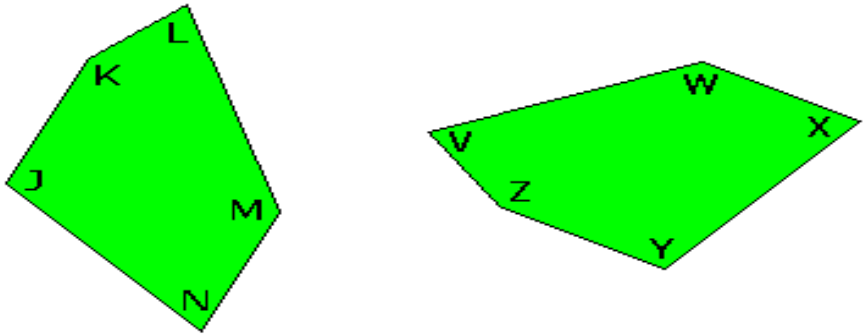
0	Team One
0	Team Two
0	Team Three
0	Team Four
0	Team Five
0	Team Six
0	Team Seven
0	Team Eight

Select a Question.

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18



Question 1

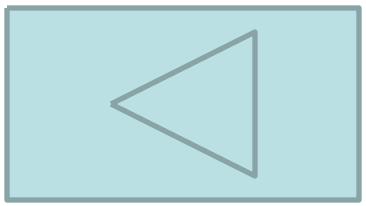


Note: Figures not drawn to scale.

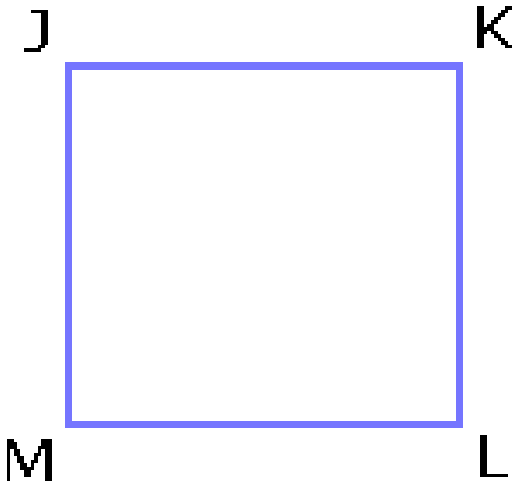
The figures shown above are congruent. If $m\angle J = 105°$, $m\angle K = 163°$, $m\angle L = 75°$, $m\angle M = 115°$, and $m\angle N = 82°$, then what is the measure of $\angle W$?

a. 119°
b. 105°
c. 115°
d. 82°

c. 115°



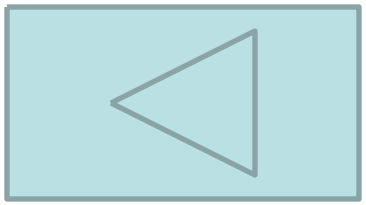
Question 2



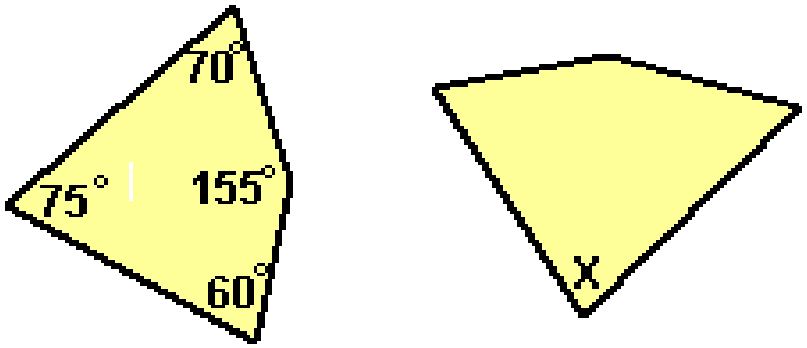
What must be true about square JKLM above?

a. Side JK is congruent to side LM but is not congruent to side JM or KL.
b. There is not enough information to decide what is true about the square.
c. All four sides are different lengths.
d. All four sides are congruent.

d. All four sides are congruent.



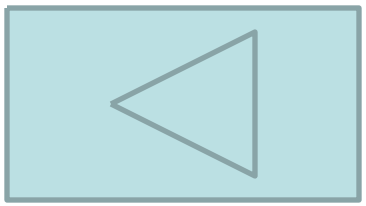
Question 3



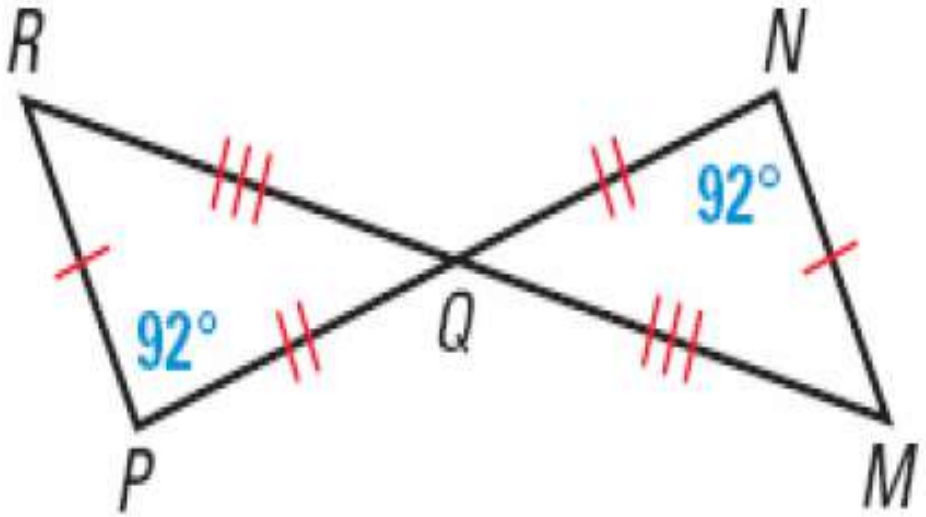
These two figures are congruent. What is the measure of ∠X?

a. 70°
b. 155°
c. 60°
d. 75°

c. 75°



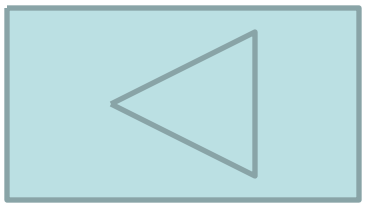
Question 4



Which sides are congruent?

a. Side PR and Side QM
b. Side QN and Side QP
c. Side RQ and Side PQ
d. Side PN and Side RM

b. Side QN and Side QP

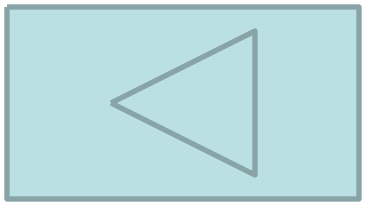


Question 5

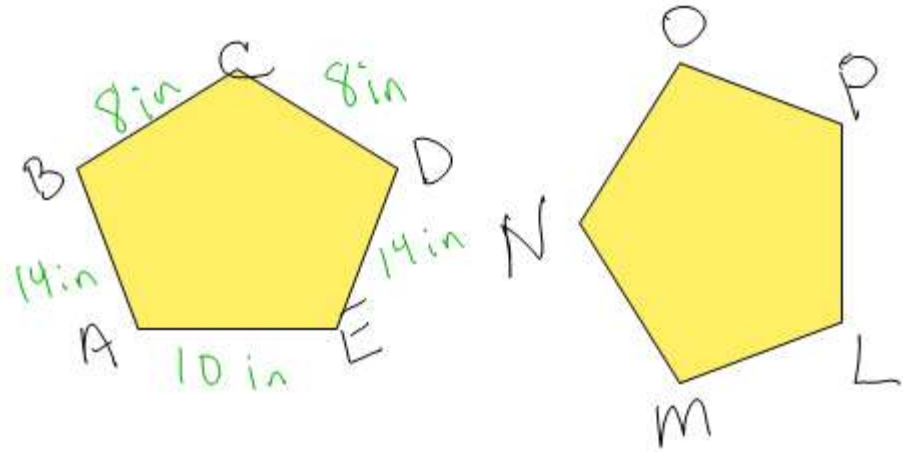
Figure MNOP is a regular trapezoid. Which statement must be true about the regular trapezoid.

a. ∠N is congruent to ∠O
b. ∠O is congruent to ∠P
c. None of the angles are congruent.
d. ∠M is congruent to ∠P

c. None of the angles are congruent.



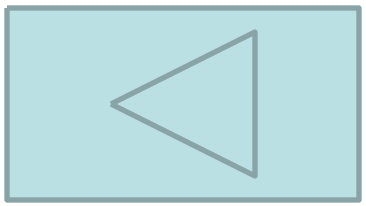
Question 6



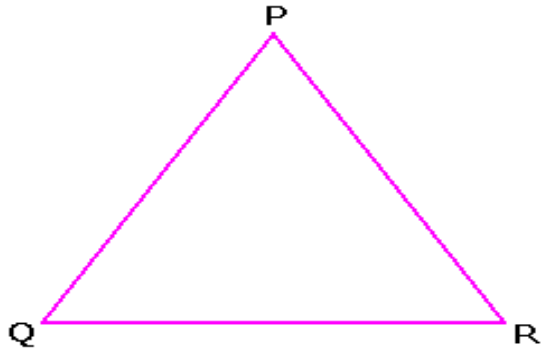
Polygon ABCDE is congruent to Polygon LMNOP. What is the length of Side OP?

a. 8 in.
b. 14 in.
c. 16 in.
d. 10 in.

b. 14 in.



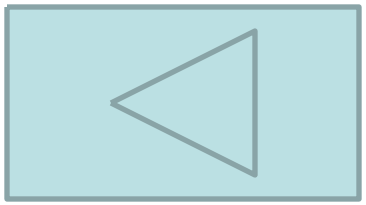
Question 7



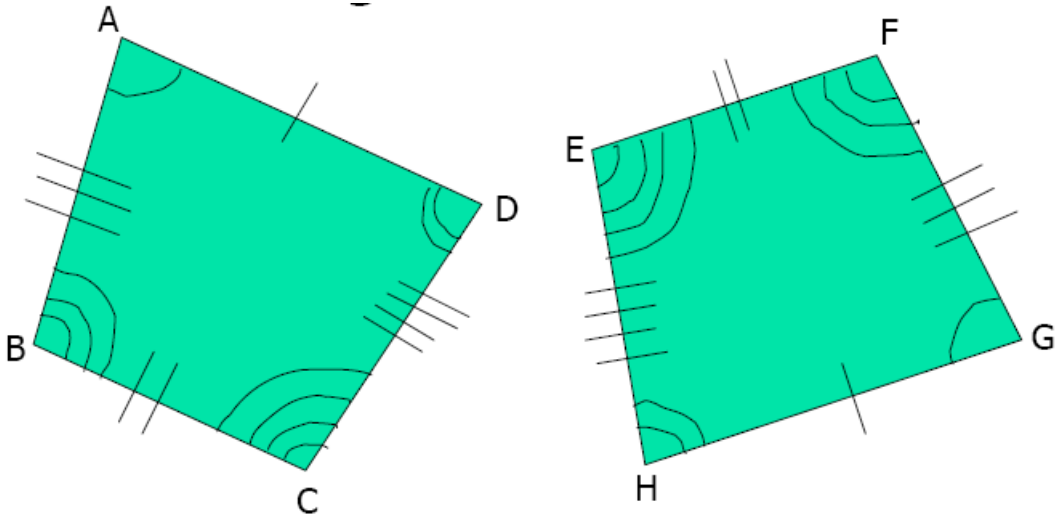
Triangle PQR is an equilateral triangle. What must be true about ∆PQR?

a. Two of the sides are congruent, but one is different.
b. None of the sides are congruent.
c. All 3 sides are congruent.
d. There is not enough information to determine what is true about the triangle.

c. All 3 sides are congruent.

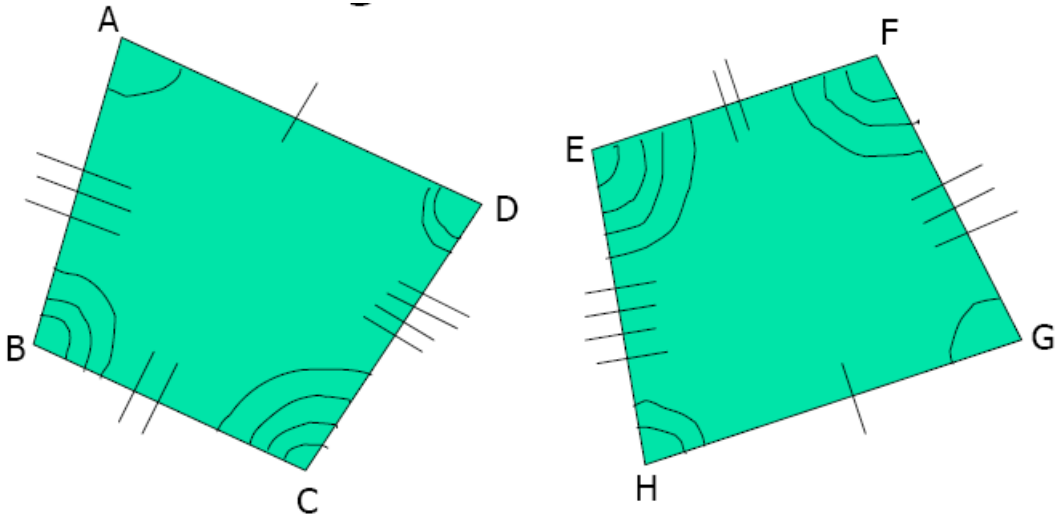


Question 8



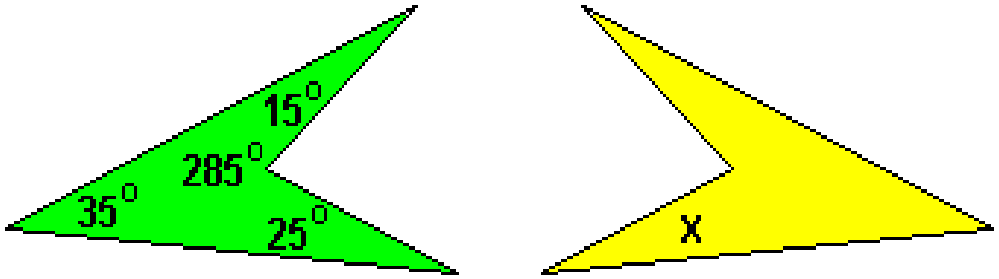
Make a congruence statement about two angles in the figures above.

Question 9



Make a congruence statement about two sides in the figures above.

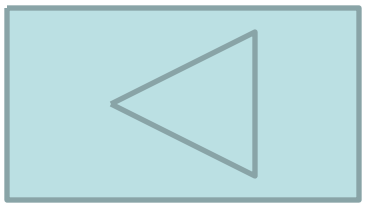
Question 10



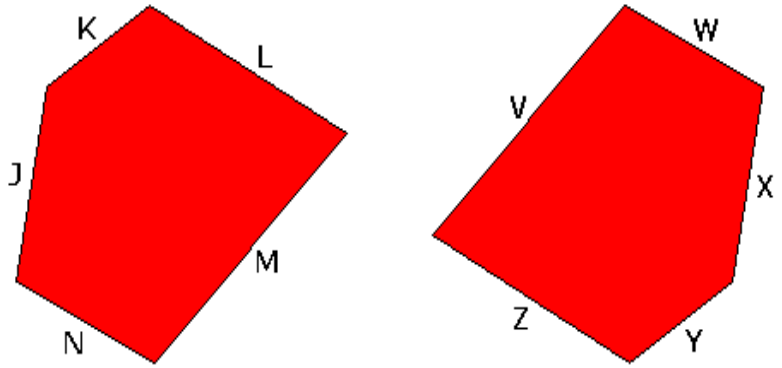
The two figures above are congruent. What is the measure of angle X?

a. 25°
b. 285°
c. 15°
d. 35°

a. 25°



Question 11

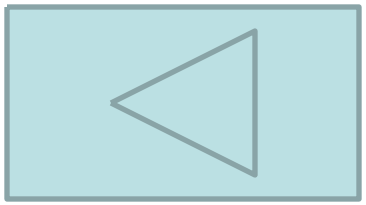


Note: Figures not drawn to scale.

The figures shown above are congruent. If **J** = 9 inches, **K** = 5 inches, **L** = 12 inches, **M** = 14 inches, and **N** = 6 inches, then what is the length of **V**?

a. 5 in.
b. 9 in.
c. 12 in.
d. 14 in.

d. 14 in.

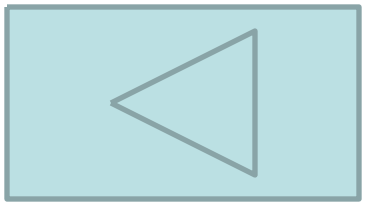


Question 12

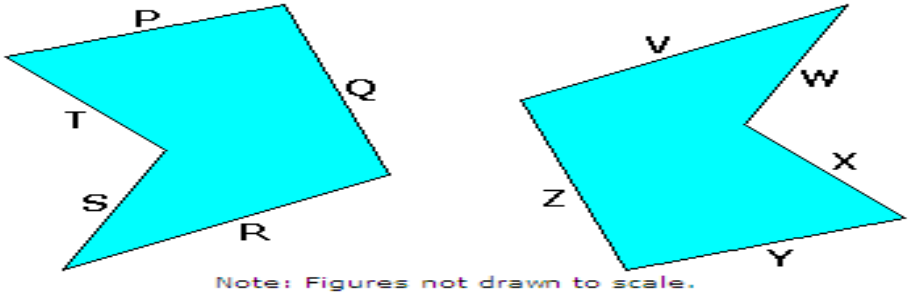
In parallelogram LMNO above, line segment LM is congruent to which line segment?

a. Line segment MN
b. Line segment NO
c. Line segment OL
d. There are no congruent sides.

b. Line segment NO



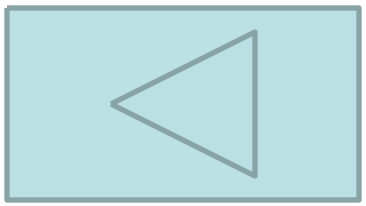
Question 13



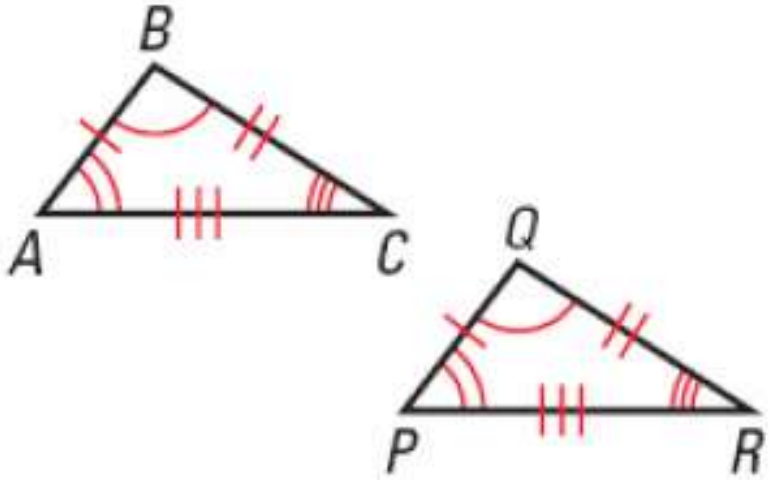
The figures shown above are congruent. If **P** = 9 cm, **Q** = 12 cm, **R** = 15 cm, **S** = 7 cm, and **T** = 5 cm, then what is the length of **W**?

a. 9 cm
b. 12 cm
c. 7 cm
d. 5 cm

c. 7 cm



Question 14



Which of the following statements is true?

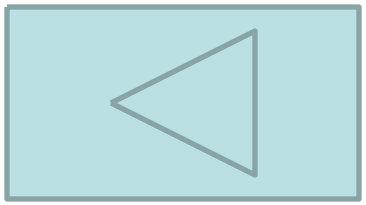
a. $\overline{AB} \cong \overline{PQ}$

b. $\overline{BC} \cong \overline{QR}$

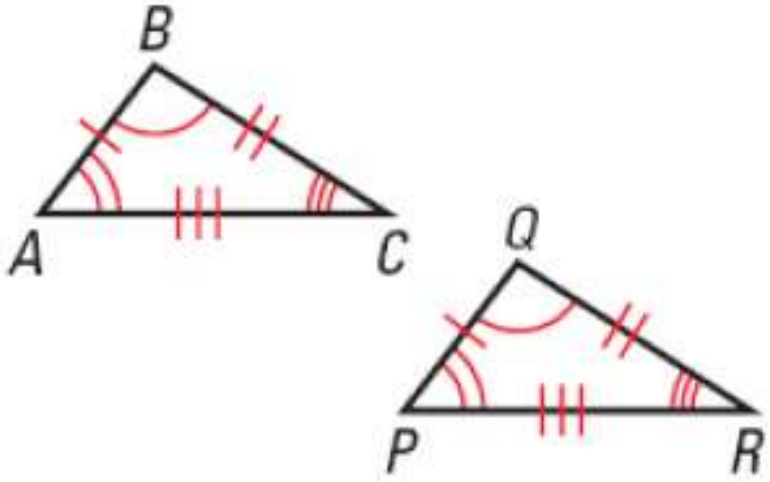
c. $\overline{CA} \cong \overline{RP}$

d. They all are true.

d. They all are true.



Question 15



Which of the following statements is true?

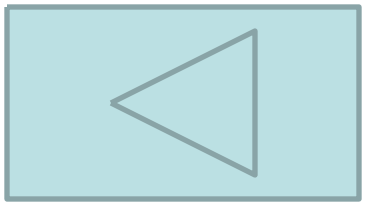
a. $\angle A \cong \angle P$

b. $\angle B \cong \angle Q$

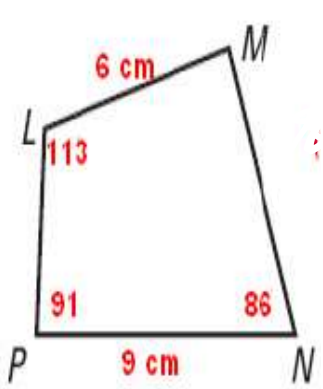
c. $\angle C \cong \angle R$

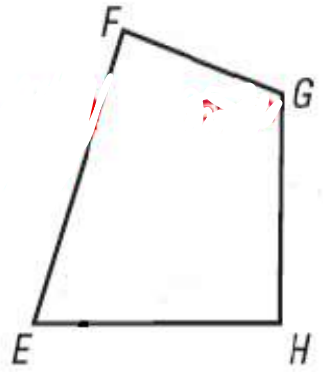
d. They all are true.

d. They all are true.



Question 16





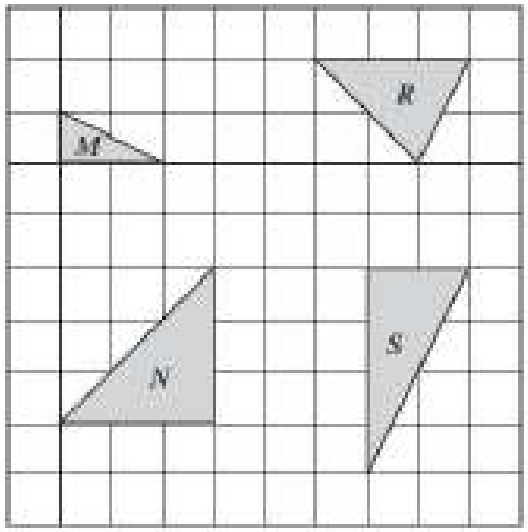
In the diagram, $NPLM \cong EFGH$.

How long is side EH?

a. 9 cm
b. 12 cm
c. 6 cm
d. 5 cm

a. 9 cm

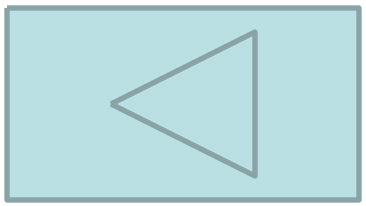
Question 17



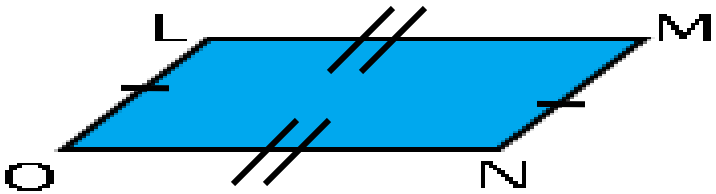
Which two triangles appear to be similar?

a. ΔM and ΔR
b. ΔN and ΔR
c. ΔN and ΔS
d. ΔM and ΔS

d. ΔM and ΔS



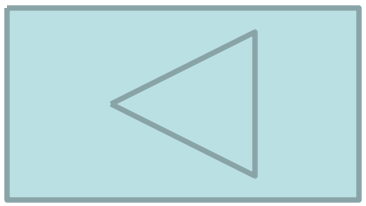
Question 18



In this parallelogram side MN is 6 cm long. How long is side LO?

a. Not enough information is given.
b. 3 cm
c. 6 cm
d. 9 cm

c. 6 cm



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