CAMBRIDGE International Examinations
Cambridge Associate School

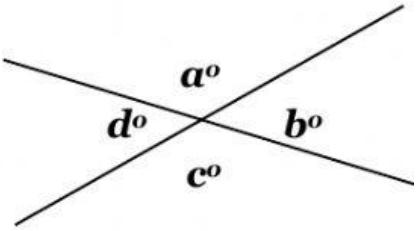
ADVANCED GENERATIONS INTERNATIONAL SCHOOLS
مدارس الأجيال المتطورة العالمية

Math Worksheet

Unit - 9 : Geometry (Book Pg. 162)

9.1 Relationships between angles.

Facts to Remember.



1. When two straight lines cross each other:
a. They meet at a point called intersection point X.
b. A set of angles are formed.
c. These angles add up to 360°
d. Two of the angles next to each other add up to 180°
e. Vertically opposite angles are formed (a = c and d = b)

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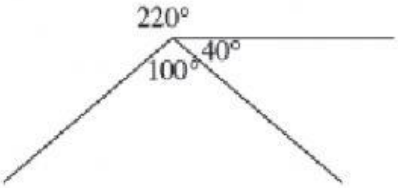
2. Angles at a point add up to 360°.



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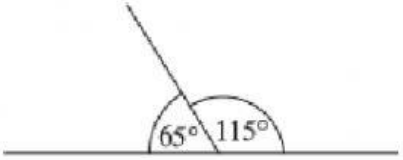
3. A straight angle measures 180°.
Angles that add up to 180° are called <u>supplementary</u>.



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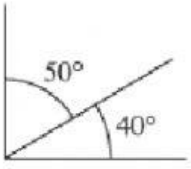
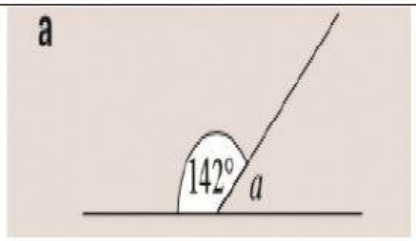
4. A corner measures 90°.
Angles that add up to 90° are called <u>complementary</u>.

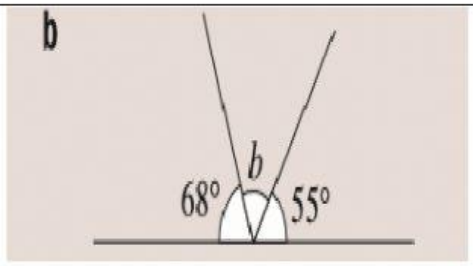


LIVEWORKSHEETS

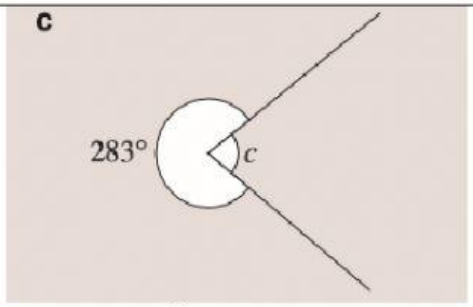
2. Calculate the missing angles a, b, c and d.



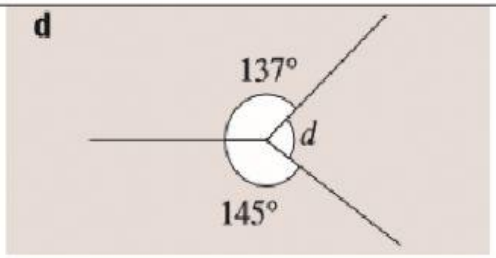
a = °



b = °

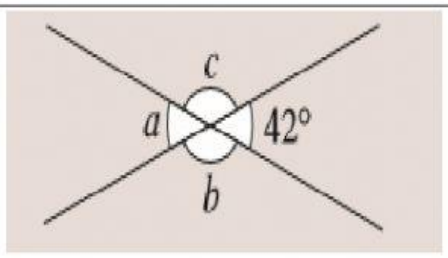


c = °



d = °

e.

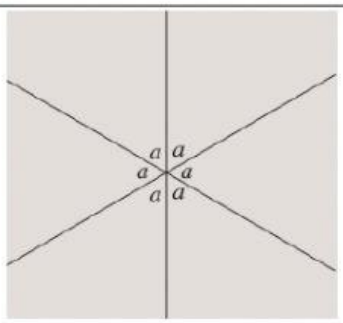


a = °

b = °

c = °

f.

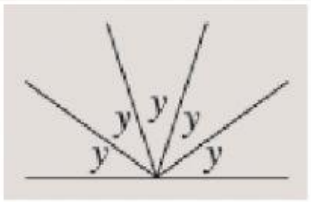


a = °

LIVEWORKSHEETS

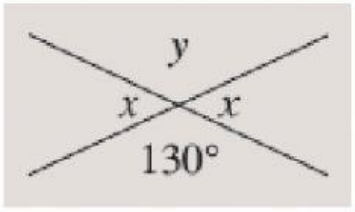
3. Work out the missing angles x and y.

a.



y = 0

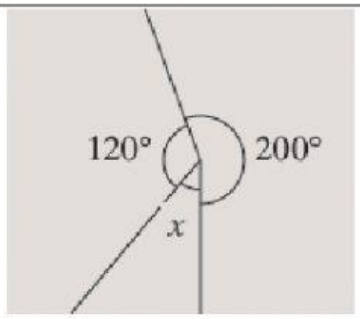
b.



x = 0

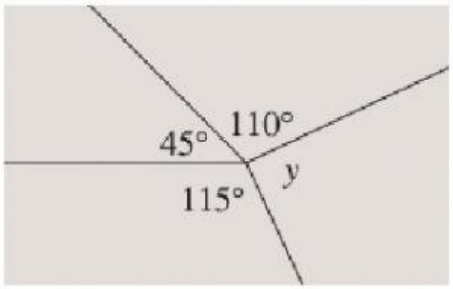
y = 0

c.



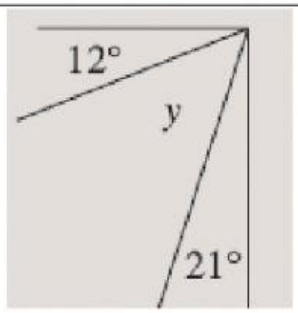
x = 0

d.



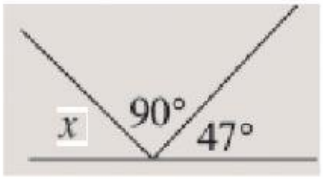
y = 0

e.



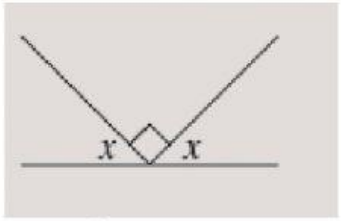
y = 0

f.



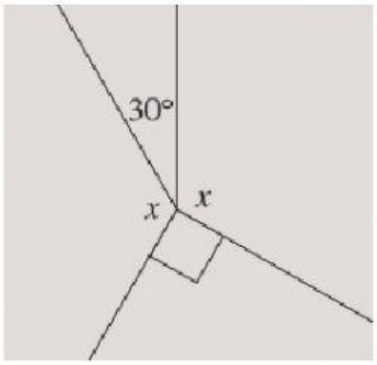
x = 0

g.



x = 0

h.



x = 0

LIVEWORKSHEETS