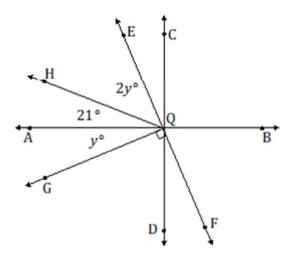
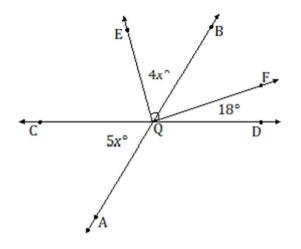
Angle Word Problems Worksheets

1. Find the measures of $\angle HQE$ and $\angle AQG$.



2. The sum of the measures of two adjacent angles is 72° . The ratio of the smaller angle to the larger angle is 1 : 3. Find the measures of each angle.

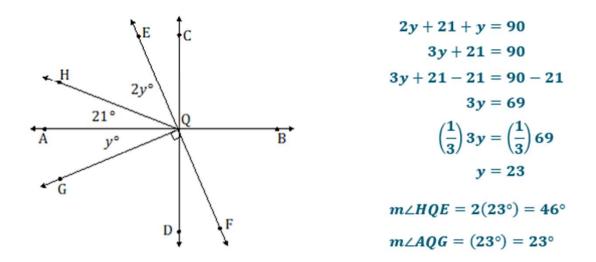
3. Find the measures of $\angle CQA$ and $\angle EQB$.



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Angle Word Problems Worksheets

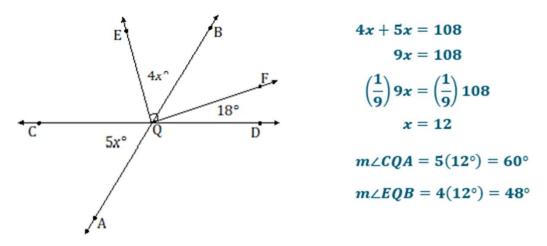
1. Find the measures of $\angle HQE$ and $\angle AQG$.



2. The sum of the measures of two adjacent angles is 72° . The ratio of the smaller angle to the larger angle is 1:3. Find the measures of each angle.

$$\angle A = x, \angle B = 3x$$
$$x + 3x = 72$$
$$4x = 72$$
$$\left(\frac{1}{4}\right)(4x) = \left(\frac{1}{4}\right)(72)$$
$$x = 18$$
$$\angle A = (18^{\circ}) = 18^{\circ}$$
$$\angle B = 3(18^{\circ}) = 54^{\circ}$$

3. Find the measures of $\angle CQA$ and $\angle EQB$.



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