

CHAPTER 12

Reasoning in geometry

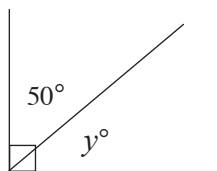


Excel Mathematics Study Guide Year 8
Pages 199–230

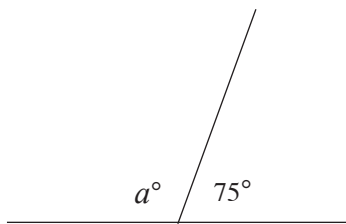
UNIT 1: Angles and the value of the pronumerals

QUESTION 1 Find the value of the pronumeral(s) in each of the following.

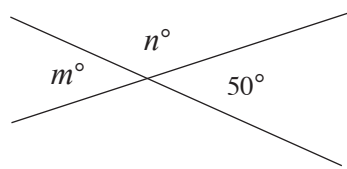
a



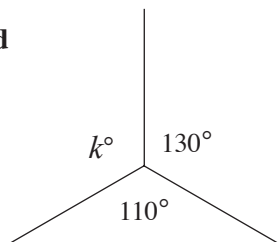
b



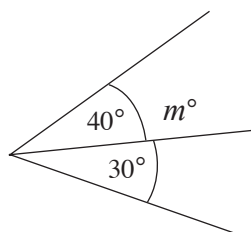
c



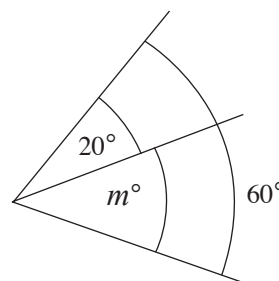
d



e

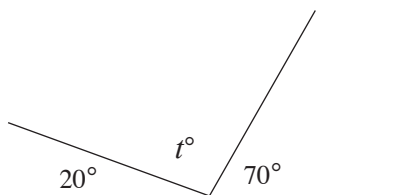


f

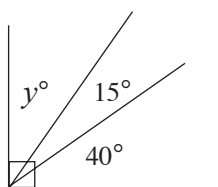


QUESTION 2 Find the value of the pronumeral(s).

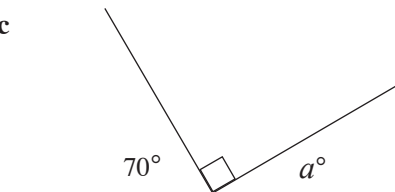
a



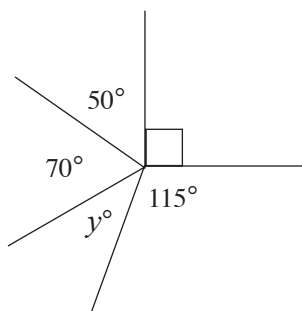
b



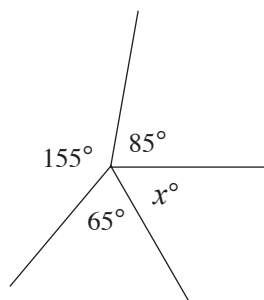
c



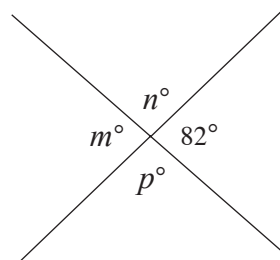
d



e

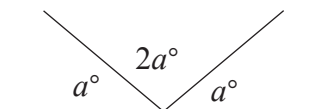


f

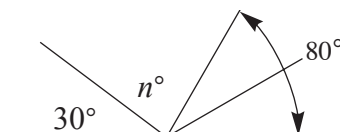


QUESTION 3 Find the value of the pronumeral.

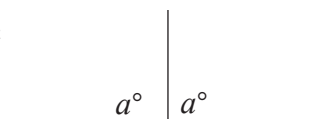
a



b



c



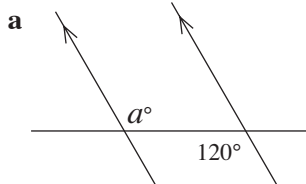
Reasoning in geometry

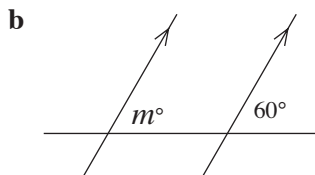


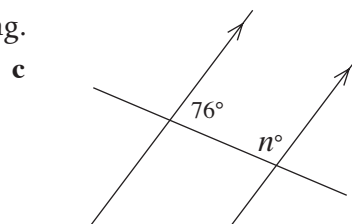
Excel Mathematics Study Guide Year 8
Pages 199–230

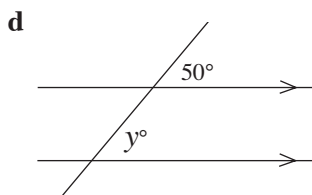
UNIT 2: Parallel lines and angles

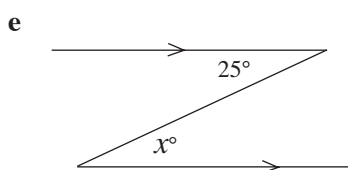
QUESTION 1 Find the value of the pronumeral in each of the following.

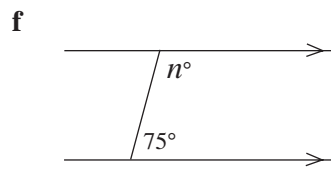




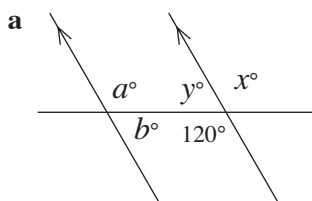


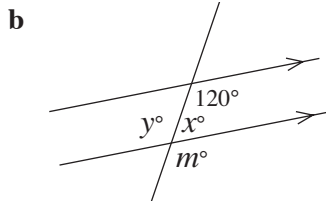


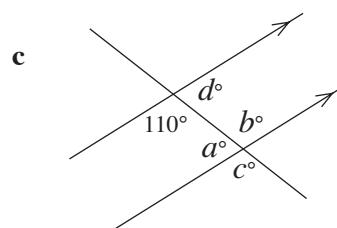




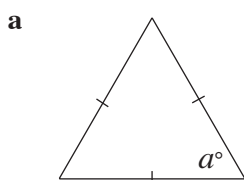
QUESTION 2 Find the value of each pronumeral.

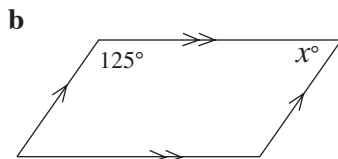


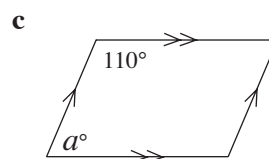


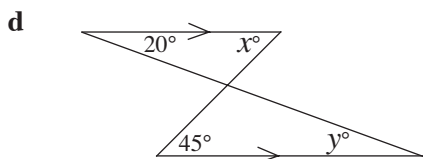


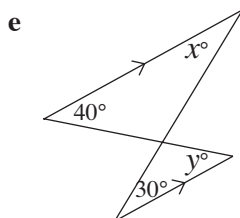
QUESTION 3 Find the value of each pronumeral.

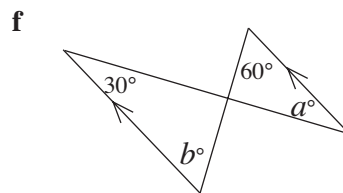












Reasoning in geometry

UNIT 3: The angle sum of a triangle



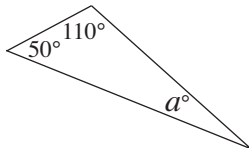
Excel Mathematics Study Guide Year 8
Pages 199–230

QUESTION 1 Find the value of the pronumeral in each of the following.

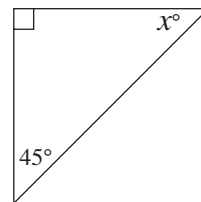
a



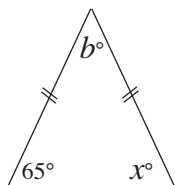
b



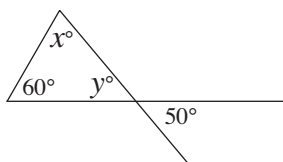
c



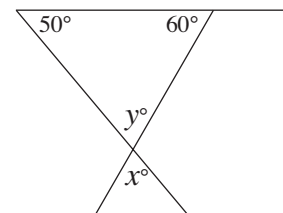
d



e

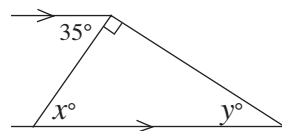


f

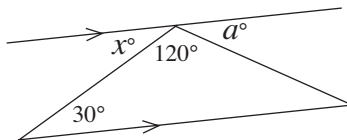


QUESTION 2 Find the value of each pronumeral.

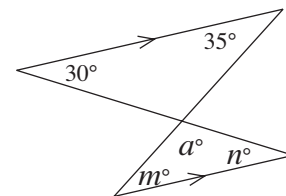
a



b

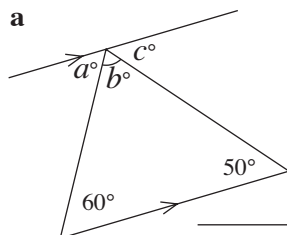


c

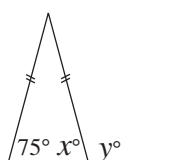


QUESTION 3 Find the value of each pronumeral.

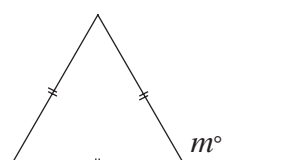
a



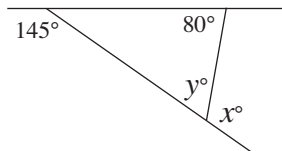
b



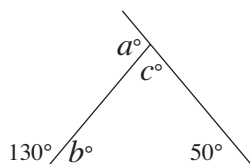
c



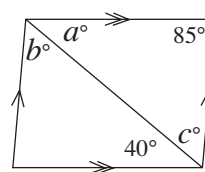
d



e



f

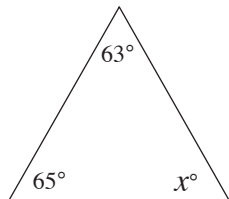




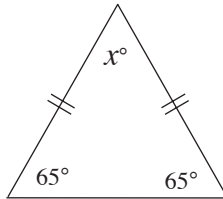
UNIT 4: Triangles and the value of the pronumerals

QUESTION 1 Find the value of each pronumeral.

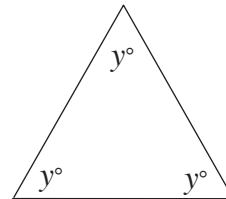
a



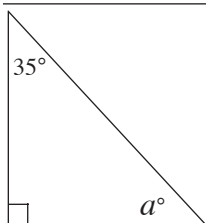
b



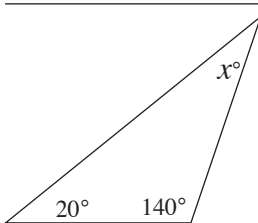
c



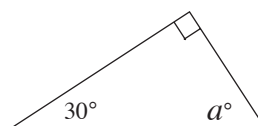
d



e

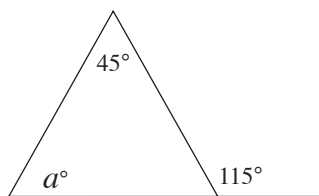


f

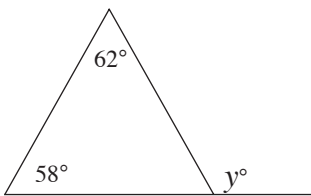


QUESTION 2 Find the value of each pronumeral.

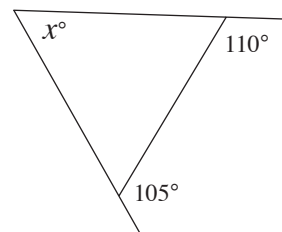
a



b

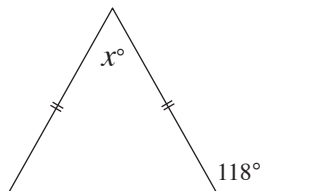


c

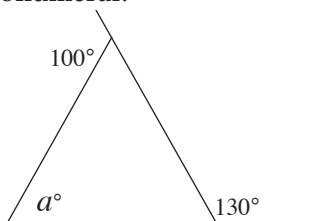


QUESTION 3 Find the value of each pronumeral.

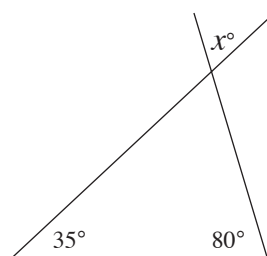
a



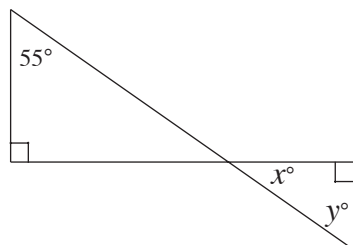
b



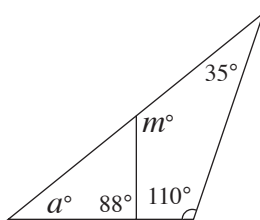
c



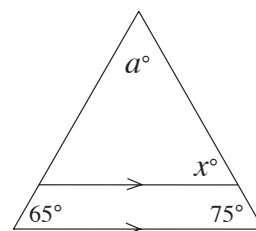
d



e



f



Reasoning in geometry

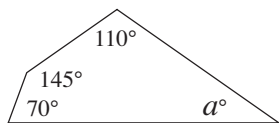


Excel Mathematics Study Guide Year 8
Pages 199–230

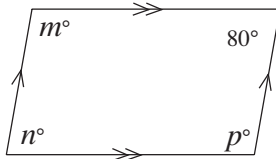
UNIT 5: The angle sum of a quadrilateral

QUESTION 1 Find the value of each pronumeral.

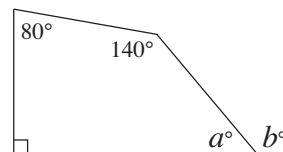
a



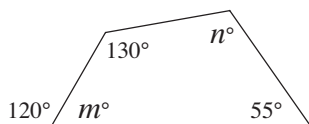
b



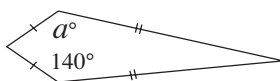
c



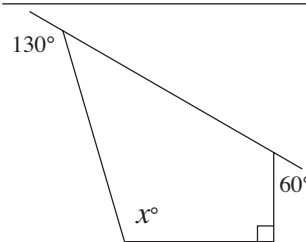
d



e

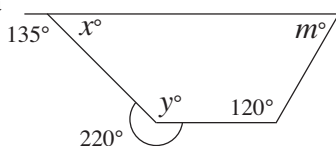


f

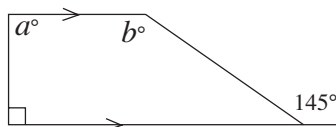


QUESTION 2 Find the unknown angles.

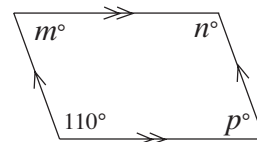
a



b

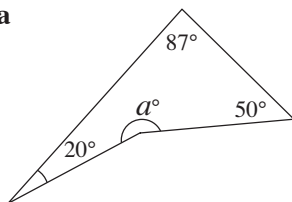


c

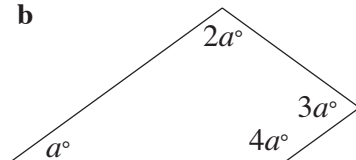


QUESTION 3 Find the value of the following pronumerals.

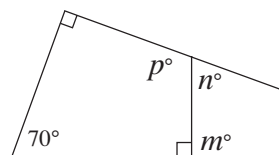
a



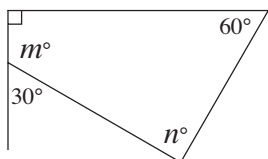
b



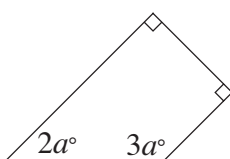
c



d



e



f

