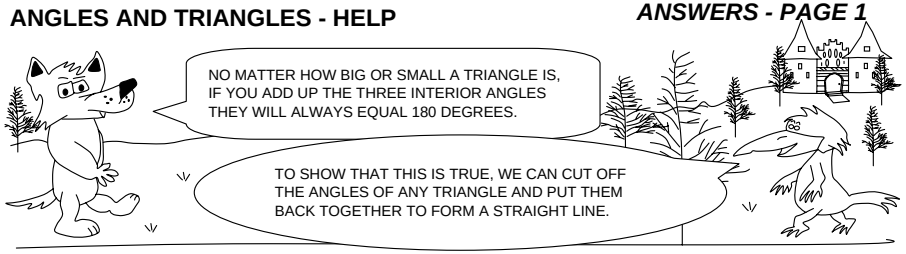
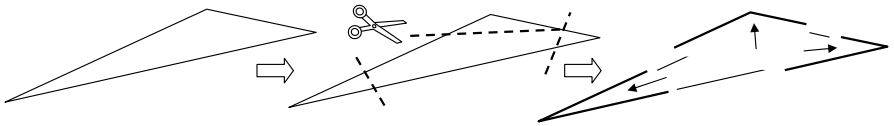
ANGLES AND TRIANGLES - HELP

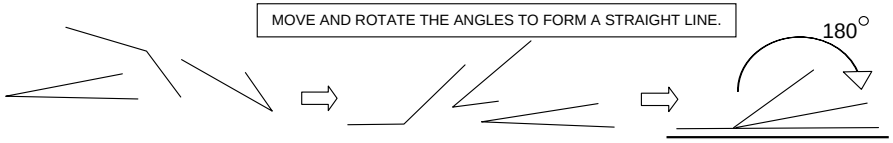
ANSWERS - PAGE 1



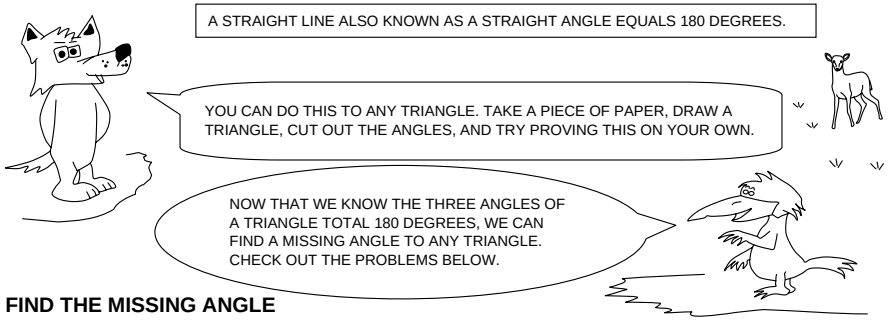
CUT THE ANGLES OFF.



MOVE AND ROTATE THE ANGLES TO FORM A STRAIGHT LINE.

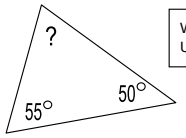


A STRAIGHT LINE ALSO KNOWN AS A STRAIGHT ANGLE EQUALS 180 DEGREES.



FIND THE MISSING ANGLE

HELPFUL EXAMPLE

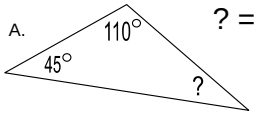


WE KNOW IF WE ADD THE ANGLES UP THEY WILL EQUAL 180 DEGREES.

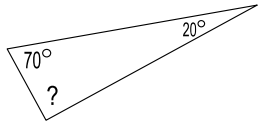
ANSWER

50 + 55 + ? = 180 → 105 + ? = 180 → ? = 75°

NOW YOUR TURN.

A. 

? = 25

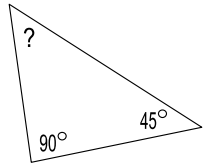
B. 

? = 90

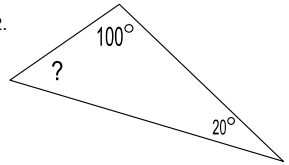
ANGLES AND TRIANGLES - PRACTICE

ANSWERS - PAGE 2

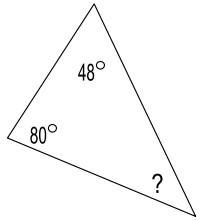
FIND THE MISSING ANGLE.

1. 

? = 45

2. 

? = 60

3. 

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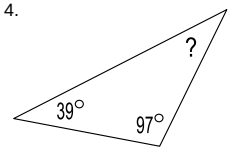
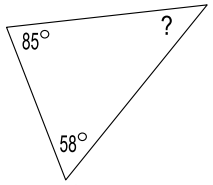
4. 

? = 44

5. 

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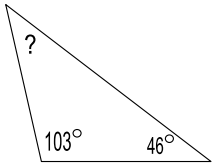
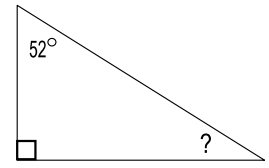
6. 

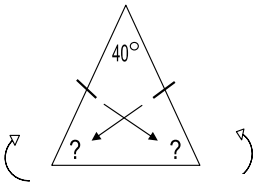
? = 31

SHAPES MIGHT HAVE TICK MARKS TO REPRESENT EQUALITY OR SQUARES TO REPRESENT 90 DEGREES.

7. 

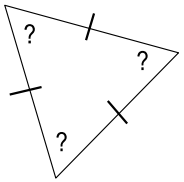
MEANS 90 DEGREES.

? = 38

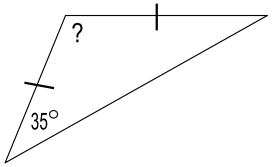
8. 

THE TICK MARKS TELL US THAT THE SIDES ARE THE SAME LENGTH AND THE OPPOSITE ANGLES ARE EQUAL (THE SAME).

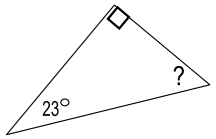
? = 70

9. 

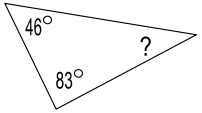
? = 60

10. 

? = 110

11. 

? = 67

12. 

? = 51