

Triangles

Developed by Dr. Rosalind M. Flynn from a workshop script by
Teachers in Charles County, Maryland

- 1 A Yield sign.
2 A Dorito.
3 A penant.
All What do they have in common?
4 They're all a weird shade of orange?
5 Not.
11 They're all the same shape?
6 Correct! They are all
All Triangles. [gesture]
7 Tri—meaning three—angles.
8 A triangle can be classified
1-10 by relationships
12-15 among its sides
All and among its angles.
4 Relationships?? You mean like cousins?
All [sound effect]
9 No! Relationship means how the sides
10 and angles
9,10 form different triangles.
11 You mean there are different types of triangles?
10 Hello! All triangles don't look the same.
11 Well, how different can a 3 sided shape look?
10 Way different!
12-20 There are 7 different ways.
10 Way different!
1-10 7 different ways depending on the
12 Angles
13 or sides.
4, 11 OK. So. What are they?
All Equilateral, Isosceles, Scalene, Acute, Equiangular, Right and Obtuse. Whew!
4, 11 Whew!
13, 14 An Equilateral triangle means each side and angle are the same—
All or congruent. [gesture]
4 Congruent?
15,16 Congruent means “the same.”
All Congruent means “the same.”
4 Equilateral, the same. Equilateral, the same. [gesture]
11 OK, what else?
17,18 An isosceles triangle has 2 congruent sides.

All Isosceles—2 congruent sides. [gesture]
 11 Isosceles, 2 congruent sides, 2 congruent sides. Got it. Next?
 19,20 A Scalene triangle has no congruent sides.
 All Scalene, scalene. No congruent sides. [gesture]
 4, 11 No congruent sides, no congruent sides. We're cookin' now.
 10 Now we switch from sides to angles.
 All To describe a triangle.
 4 What? What!
 11 Calm down.
 1-3 Acute triangles have 3 acute angles. That's how you know them.
 4 I don't know them, even if they are cute.
 5-7 No, no. Acute means the angle is less than 90 degrees.
 All Acute means the angle is less than 90 degrees.
 11 Acute isn't cute, it's under 90 in the degree department. OK, OK.
 8-10 If all angles are the same,
 4, 11 [gesture] As in congruent!
 11-13 Then it's equiangular.
 11 Then "equi" means
 All THE SAME.
 4 Hey, wait a minute now, so does congruent. I happen to know...
 14-16 A Right triangle has one right angle.
 All That means one 90 degree angle.
 4 If it's 90 degrees, it isn't cute.[sound effect] I knew that.
 17-19 If a triangle has an angle that is even one degree more than 90 degrees,
 4 It isn't cute. I told you before.
 20 It's
 All Obtuse!
 20 Obtuse, [looking at 4 and 11] like some of our minds.
 4, 11 Wait a minute! We're cute. We're real cute.
 All Cute, maybe. Smart, no. [sound effect] [gesture]
 4 Just a second, here. Let us name you those 7 kinds of triangles!
 All (Patronizingly) Go ahead, give it a try.
 4, 11 We got your Equilateral, your Isosceles, your Scalene, your Acute, that
 Equiangular one, a Right one and finally we got one that's Obtuse...
 All [sound effect]
 20 Hmm! I think they've got it! Cute AND smart.
 All [gesture] [sound effect]