

**Determine if the statement is possible(p) or impossible(i).****Answers**

- 1) A triangle with the angles: 41° , 78° and 61° .
- 2) A triangle with the angles: 85° , 52° and 43° .
- 3) A triangle with the angles: 3° , 38° and 139° .
- 4) A triangle with the angles: 43° , 54° and 67° .
- 5) A triangle with the angles: 98° , 40° and 31° .
- 6) A triangle with the angles: 29° , 60° and 91° .
- 7) A triangle with the angles: 87° , 12° and 81° .
- 8) A triangle with the angles: 23° , 147° and 10° .
- 9) A triangle with the angles: 9° , 42° and 117° .
- 10) A triangle with the angles: 6° , 130° and 44° .
- 11) A triangle with the sides: 6mm, 6mm and 6mm.
- 12) A triangle with the sides: 7in, 7in and 7in.
- 13) A triangle with the sides: 1ft, 1ft and 3ft.
- 14) A triangle with the sides: 7mm, 2mm and 1mm.
- 15) A triangle with the sides: 3mm, 2mm and 4mm.
- 16) A triangle with the sides: 7mm, 7mm and 6mm.
- 17) A triangle with the sides: 10mm, 3mm and 11mm.
- 18) A triangle with the sides: 9mm, 9mm and 6mm.
- 19) A triangle with the sides: 10in, 3in and 2in.
- 20) A triangle with the sides: 4mm, 9mm and 10mm.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

**Determine if the statement is possible(p) or impossible(i).****Answers**

- 1) A triangle with the angles: 41° , 78° and 61° .
- 2) A triangle with the angles: 85° , 52° and 43° .
- 3) A triangle with the angles: 3° , 38° and 139° .
- 4) A triangle with the angles: 43° , 54° and 67° .
- 5) A triangle with the angles: 98° , 40° and 31° .
- 6) A triangle with the angles: 29° , 60° and 91° .
- 7) A triangle with the angles: 87° , 12° and 81° .
- 8) A triangle with the angles: 23° , 147° and 10° .
- 9) A triangle with the angles: 9° , 42° and 117° .
- 10) A triangle with the angles: 6° , 130° and 44° .
- 11) A triangle with the sides: 6mm, 6mm and 6mm.
- 12) A triangle with the sides: 7in, 7in and 7in.
- 13) A triangle with the sides: 1ft, 1ft and 3ft.
- 14) A triangle with the sides: 7mm, 2mm and 1mm.
- 15) A triangle with the sides: 3mm, 2mm and 4mm.
- 16) A triangle with the sides: 7mm, 7mm and 6mm.
- 17) A triangle with the sides: 10mm, 3mm and 11mm.
- 18) A triangle with the sides: 9mm, 9mm and 6mm.
- 19) A triangle with the sides: 10in, 3in and 2in.
- 20) A triangle with the sides: 4mm, 9mm and 10mm.

1. **p**
2. **p**
3. **p**
4. **i**
5. **i**
6. **p**
7. **p**
8. **p**
9. **i**
10. **p**
11. **p**
12. **p**
13. **i**
14. **i**
15. **p**
16. **p**
17. **p**
18. **p**
19. **i**
20. **p**