

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

- 1) A triangle with the angles: 8° , 123° and 48° .
- 2) A triangle with the angles: 3° , 145° and 32° .
- 3) A triangle with the angles: 34° , 86° and 46° .
- 4) A triangle with the angles: 24° , 118° and 38° .
- 5) A triangle with the angles: 20° , 129° and 31° .
- 6) A triangle with the angles: 39° , 11° and 101° .
- 7) A triangle with the angles: 19° , 67° and 70° .
- 8) A triangle with the angles: 100° , 7° and 73° .
- 9) A triangle with the angles: 33° , 4° and 143° .
- 10) A triangle with the angles: 51° , 3° and 104° .
- 11) A triangle with the sides: 3cm, 5cm and 2cm.
- 12) A triangle with the sides: 8cm, 8cm and 7cm.
- 13) A triangle with the sides: 4in, 10in and 3in.
- 14) A triangle with the sides: 9mm, 9mm and 9mm.
- 15) A triangle with the sides: 6in, 9in and 10in.
- 16) A triangle with the sides: 2mm, 2mm and 1mm.
- 17) A triangle with the sides: 1ft, 1ft and 1ft.
- 18) A triangle with the sides: 3ft, 2ft and 4ft.
- 19) A triangle with the sides: 2cm, 10cm and 11cm.
- 20) A triangle with the sides: 8cm, 8cm and 9cm.

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: 8° , 123° and 48° .
- 2) A triangle with the angles: 3° , 145° and 32° .
- 3) A triangle with the angles: 34° , 86° and 46° .
- 4) A triangle with the angles: 24° , 118° and 38° .
- 5) A triangle with the angles: 20° , 129° and 31° .
- 6) A triangle with the angles: 39° , 11° and 101° .
- 7) A triangle with the angles: 19° , 67° and 70° .
- 8) A triangle with the angles: 100° , 7° and 73° .
- 9) A triangle with the angles: 33° , 4° and 143° .
- 10) A triangle with the angles: 51° , 3° and 104° .
- 11) A triangle with the sides: 3cm, 5cm and 2cm.
- 12) A triangle with the sides: 8cm, 8cm and 7cm.
- 13) A triangle with the sides: 4in, 10in and 3in.
- 14) A triangle with the sides: 9mm, 9mm and 9mm.
- 15) A triangle with the sides: 6in, 9in and 10in.
- 16) A triangle with the sides: 2mm, 2mm and 1mm.
- 17) A triangle with the sides: 1ft, 1ft and 1ft.
- 18) A triangle with the sides: 3ft, 2ft and 4ft.
- 19) A triangle with the sides: 2cm, 10cm and 11cm.
- 20) A triangle with the sides: 8cm, 8cm and 9cm.

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