



# Triangle Inequality

Name \_\_\_\_\_

Score \_\_\_\_\_

TI:06

Check whether each set of numbers can be the side lengths of the triangle.  
Color 'Yes' or 'No'.

1) 8 m, 15 m, 17 m

Yes

No

2) 2 cm, 7 cm, 3 cm

Yes

No

3) 14 mm, 19 mm, 23 mm

Yes

No

4) 10 m, 13 m, 24 m

Yes

No

Write whether each set of side lengths forms the triangle or not.

1) 4 mm, 5 mm, 15 mm

\_\_\_\_\_

4) 29 cm, 21 cm, 20 cm

\_\_\_\_\_

2) 10 cm, 11 cm, 23 cm

\_\_\_\_\_

5) 13 m, 16 m, 2 m

\_\_\_\_\_

3) 12 m, 35 m, 37 m

\_\_\_\_\_

6) 29 mm, 11 mm, 14 mm

\_\_\_\_\_



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## Answer key

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**The sides not form a triangle.**

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