



Triangle Inequality

Name _____

Score _____

TI:05

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

1) 2 cm, 1 cm, 5 cm

Yes

No

2) 15 mm, 16 mm, 33 mm

Yes

No

3) 24 m, 18 m, 19 m

Yes

No

4) 41 cm, 9 cm, 40 cm

Yes

No

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

1) 8 m, 9 m, 10 m

2) 20 mm, 23 mm, 44 mm

3) 15 cm, 36 cm, 39 cm

4) 4 cm, 11 cm, 18 cm

5) 16 m, 21 m, 3 m

6) 26 mm, 17 mm, 14 mm



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Answer key

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

1) 8 m, 9 m, 10 m

The sides form a triangle.

2) 20 mm, 23 mm, 44 mm

The sides not form a triangle.

3) 15 cm, 36 cm, 39 cm

The sides form a triangle.

4) 4 cm, 11 cm, 18 cm

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5) 16 m, 21 m, 3 m

The sides not form a triangle.

6) 26 mm, 17 mm, 14 mm

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