VOLUME
2

STEM sports®

science • technology
engineering • math • sports

SOCCER

Module 1.1
Calculating Throw-Ins

GRADES 6th – 8th

MODULE
1.1

GRADES
6-8

What Do You Need?

Supplies Provided

Worksheets, Soccer Balls, Masking Tape, Tape Measures and Disc Cones

Materials Needed

Pencils

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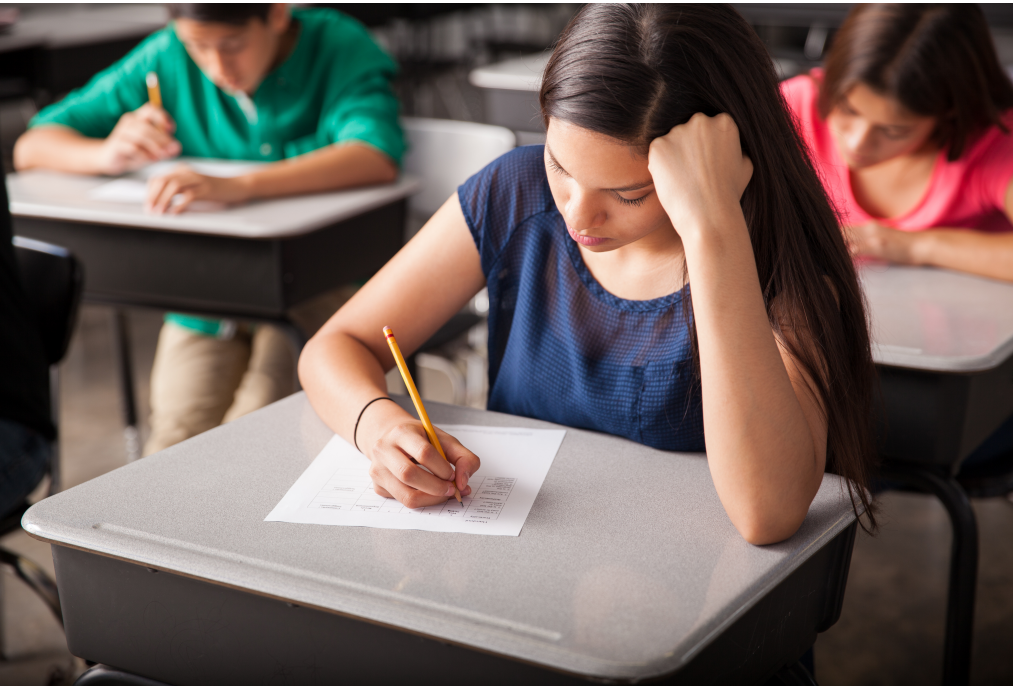


Test Your Knowledge

Have your students take this lesson's assessment prior to engaging by visiting: https://stemsports.com/assessments/. If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.

Engage

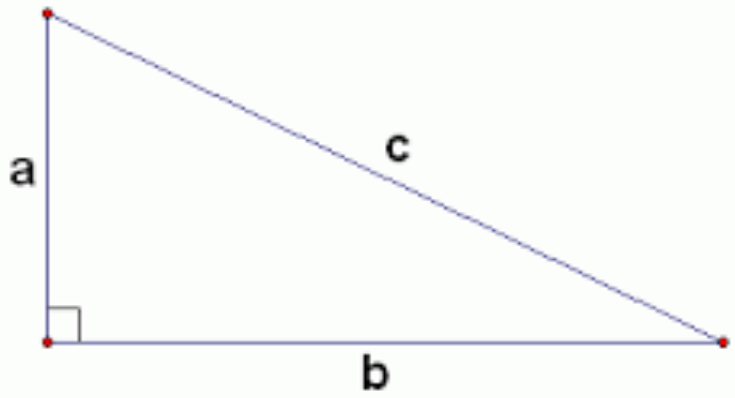
How far can you throw a soccer ball?

Explore

With a partner, complete a trial of throw-ins and record on the worksheet.

Explain

Learn how to apply this equation in order to calculate the distance the ball traveled in the air.



$$a^2 + b^2 = c^2$$

Elaborate

Whose ball traveled the farthest?
Use the worksheet.

Evaluate

Based on results from your calculations, which throwing technique produced the greatest results? Use the worksheet.

What Did You Learn?

Have your students retake this lesson's assessment to effectively evaluate their comprehension by visiting: https://stemsports.com/assessments/. If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.

Extend

Challenge Yourself!

Use two-step algebra to solve for the distance of a throw-in.

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What is your Dream Job?

STEM Jobs in Sports

- Trainer
- Ball Engineer
- Assistant Coach
- Scoreboard Operator
- Official

To access Worksheet Keys, please visit www.STEMSports.com/digitaltools

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