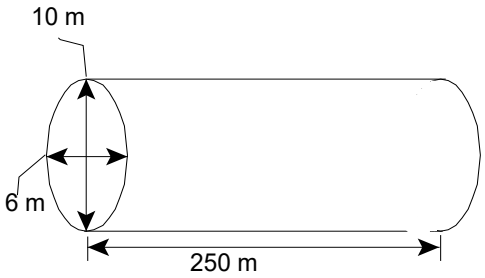
Know Your Math!

Math skills are required for most classes offered by the TTCP. Class time will not be spent teaching math so please be prepared before coming to class by enrolling in our web based training Math Basics Series for Highway Technicians! This course is available in Workday Learning, the DOT's new Learning Management System. You will also need to be able to operate the calculator you plan to use during class before attending class.

There is a FREE online based math course available through online training: Math Basics Series for Highway Technicians. Information on enrolling in Online Training courses is available here: https://iowadot.gov/consultants-contractors/construction-materials/training/online-training



Answering "percent of" questions

Type 3 - Question: Given an aggregate mix with 12 kg crushed limestone, 8 kg washed chips and 5 kg sand, what is the percentage of each component?

Answer:

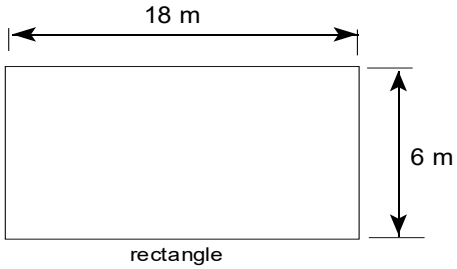
1. Add up the total mass — 12 kg + 8 kg + 5 kg = 25 kg

2. Divide each component mass by the total mass.

$\frac{12}{25} = 0.48$ $\frac{08}{25} = 0.32$ $\frac{05}{25} = 0.20$

3 Convert the decimals to percents

0.48 = 48% Crushed Limestone
0.32 = 32% Washed Chips
0.20 = 20% Sand



rectangle
6 x 18 = 108 m²