★ Identify similar △'s

★ set up and solve ratios and proportions

★ AA, SSS, SAS (multiple choice)

★ Determine if △'s are similar

Ex.: ABCD ~ RSTU

AB = 12

BC = 18

Scale factor of RSTU to ABCD is $\frac{3}{5}$

Find ST

$\frac{RSTU}{ABCD}$ $\frac{3}{5} = \frac{x}{18}$ $\boxed{ST = 10.8}$

$x(5) = 5x$
$54 = 5x$