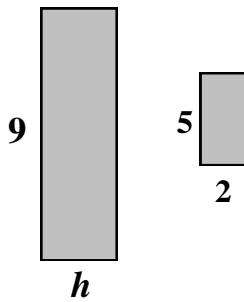# Grade 9 Mathematics Worksheet

Ratio, rate and proportion

Questions:

1.

The two sheets of paper above are similar in shape. The value of h will be....

A) $3\frac{3}{5}$
B) -2
C) 31,5
D) 6

Solution

1. (A) – Since $\frac{h}{9}=\frac{2}{5}\rightarrow 5h=18\rightarrow h=\frac{18}{5}=3\frac{3}{5}$.

It is very important to see that there is more than one way to obtain the correct answer here. The ratio can be expressed as $\frac{9}{h}=\frac{5}{2}\,or\,\frac{9}{5}=\frac{h}{2}$ or even the reciprocals of any of these.