

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date:

Name:

ID No.....

Match the Columns

Match the following columns by placing the correct letter in the square box.

1. In $\triangle ABC$, D and E are points on sides AB and AC respectively, such that $\triangle ADE \sim \triangle ABC$. If it is given that AD = 4 cm and AB = 10 cm, then match the following columns by placing the correct letter in the square box.

	Column I		Column II
(i)	$\frac{DE}{BC}$	(a)	$\frac{3}{5}$
(ii)	$\frac{DE}{AB}$	(b)	$\frac{2}{3}$
(iii)	$\frac{AE}{BC}$	(c)	$\frac{2}{5}$
(iv)	$\frac{ar(\triangle ABC)}{ar(\triangle ADE)}$	(d)	$\frac{5}{2}$
(v)	$\frac{AC}{AE}$	(e)	$\frac{25}{4}$

(i) →

(ii) →

(iii) →

(iv) →

(v) →