NUMBER TALKS FOR GEOMETRY

Awesome Prompts for Mathematical Thinking

created by Jackie Palmquist and Friends

thumbsupmath.com

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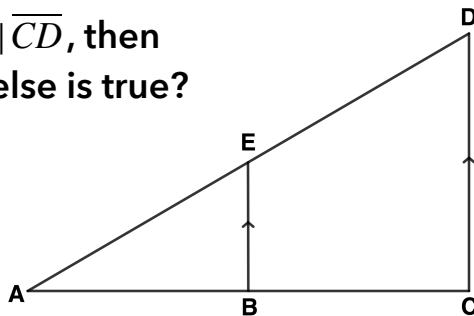
Student tested
Sample Answers

Personalize
Notes

Color coded for quick reference

If $\overline{BE} \parallel \overline{CD}$, then what else is true?

Talk Tips

Encourage students to name angles in different ways, such as $\angle DAC \cong \angle EAB$. For example, "Can anyone restate __'s answer using different angle names?"

Backup/Extension Problems

What do you think might be true about $\triangle ABE$ and $\triangle ACD$?
If $m\angle ABE = 90$; how can you calculate $m\angle BED$?

Sample Student Responses:

$\angle AEB \cong \angle ADC$

$\angle ABE \cong \angle ACD$

$\overline{BE} \,\&\, \overline{CD}$ have the same slope

$\overline{BE} \,\&\, \overline{CD}$ will never intersect

$\triangle AEB \sim \triangle ADC$

Incorrect responses to inspect.

$\overline{AB} \perp \overline{BE}$, $\overline{AC} \perp \overline{DC}$, $\overline{AB} \perp \overline{DC}$, $\overline{AB} \cong \overline{BC}$

Notes:

Parallel and Perpendicular   21

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