Wings of the World – Key Points

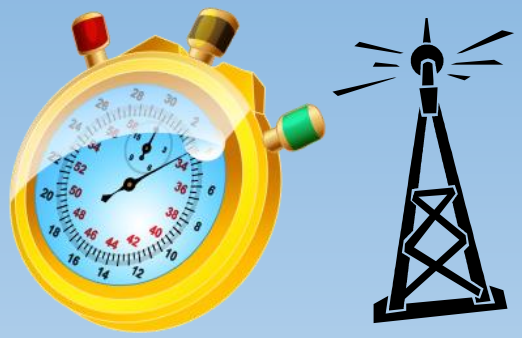
FAA Commercial Pilot Knowledge Test

Checked Out From The SAFE Members Only Resource Center

Society of Aviation and Flight Educators – www.safepilots.org

Wings of the World – Key Points

Time to the Station



$$= \frac{60 \times \text{MINUTES OF BEARING CHANGE}}{\text{DEGREES OF BEARING CHANGE}}$$

PHAK Chapter 15

Wings of the World – Key Points

Distance to the Station

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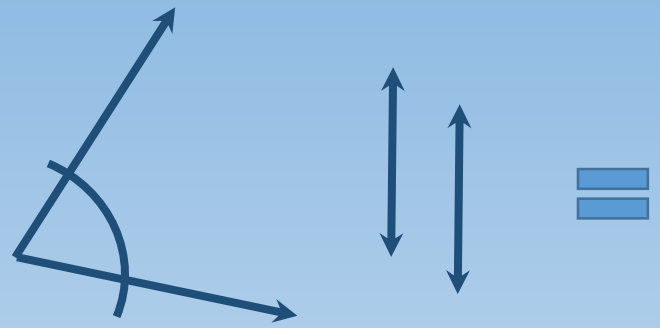
Wings of the World – Key Points

Angle to Parallel a Course



$$= \frac{60 \times \text{OFF COURSE}}{\text{FLOWN}}$$

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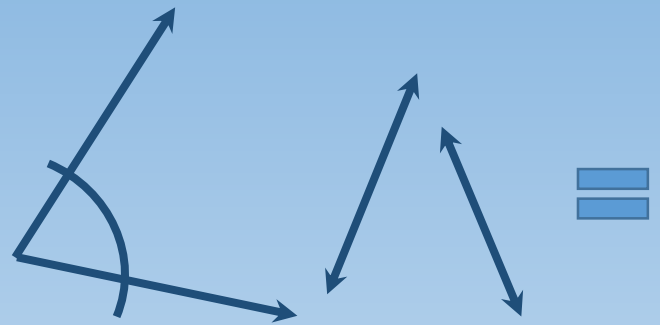
Wings of the World – Key Points

Angle to Converge on a Course



$$= \frac{60 \times \text{OFF COURSE}}{\text{TO FLY}}$$

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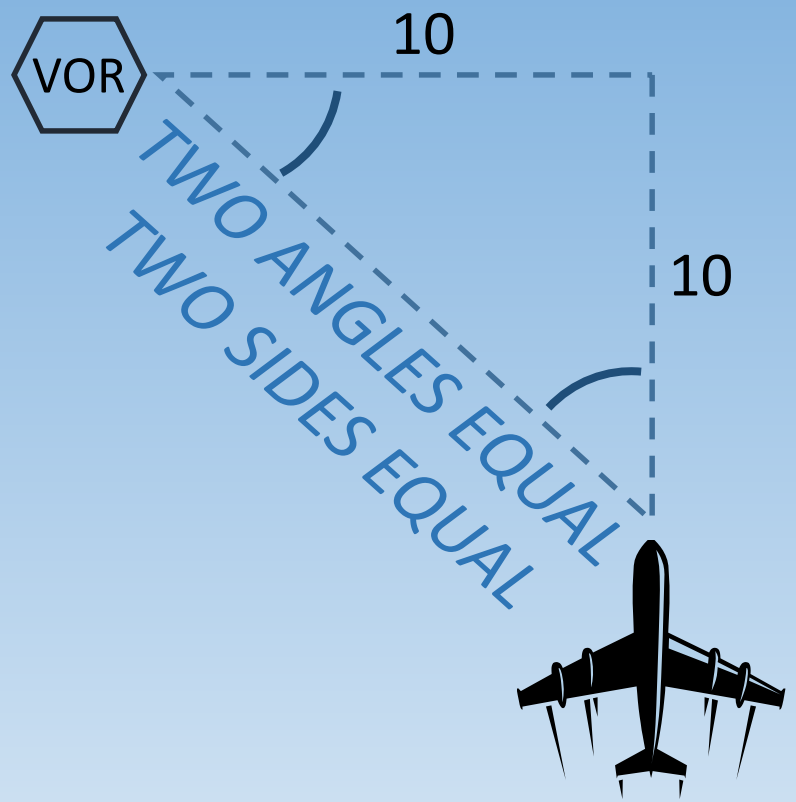
Wings of the World – Key Points

Isosceles Triangles – Equal Angles



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Wings of the World – Key Points

Weight & Balance

x

= MOMENT

$$= \frac{\text{TOTAL MOMENT}}{\text{TOTAL WEIGHT}}$$

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Wings of the World – Key Points

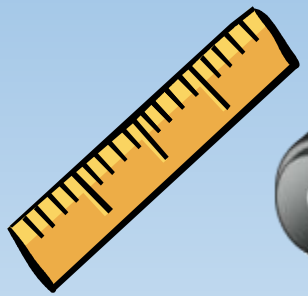
Weight Shift

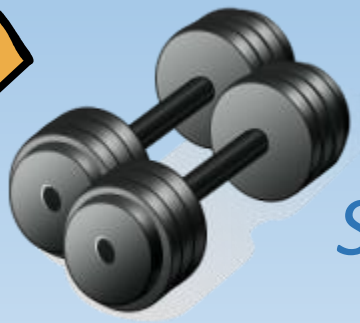
Shifted

Δ

=

Total





Shifted

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Wings of the World – Key Points

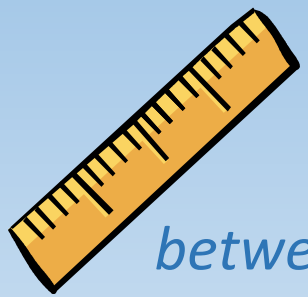
Weight Addition

Added

Δ

=

New Total



between

& old

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Wings of the World – Key Points

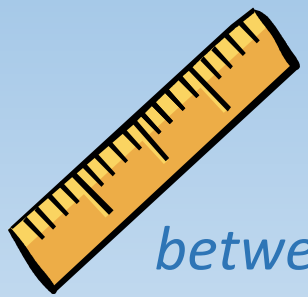
Weight Removal

Removed

Δ C G

=

New Total



between & old C G

PHAK Chapter 9