## ESTIMATION of RANGE \& AYCIE OFF

EXeg Byetry
Bag the whas.

TRY THIS SERIES OF EXERCISES \& IMPROVE YOUR hooting IEOR OFFICIAL USE ONLY

Bay the thun!

$\rightarrow$ Pति 4



## KEy

Pigut are haded mith mout of eteak -

WHEN INIOAMATION is CIVEN

WHEN EXEACESES AKL PRESCNTLD

WHEN ANSWLAS ARE GIVEN

Animery fo each ewerche are giatn of the pago fallewin
chat on whish the asectiar io print-1 Amper the whele
 the ansects. Whits your andwars in tarring owet to Ins ievreiponding diagratis. andwars in perecif sloggile the


$$
\begin{gathered}
\mathbf{A}=\frac{1}{6} \quad \mathbf{B}=\frac{1}{1} \\
\mathbf{C}=\frac{1}{3} \quad \mathbf{B}=\frac{1}{3} \\
\mathbf{B}=\frac{1}{8}
\end{gathered}
$$

Tally $\cdot \mathrm{Ho}$

$15 \%$
(a) icoz

$$
\begin{array}{ll}
\mathbf{N}=\frac{1}{4} & \mathbf{H}=\frac{1}{6} \\
\mathbf{C}=\frac{1}{3} & \mathbf{H}=\frac{1}{3} \\
\mathbf{E}=\frac{1}{4} & \mathbf{H}=\frac{1}{3}
\end{array}
$$



From this pelir evenardr the detted line, etich was draun in ws the dianusar of the rimp is onitund asd ean apptar galy in yoar imasinatien. Now alate what ribctiem of inls diameser art repretmied by she Fines A, B, C, D. and E

$\begin{array}{ll}\mathbf{A}=\frac{1}{3} & \mathbf{B}=\frac{1}{4} \\ \mathbf{C}=\frac{1}{4} & \mathbf{D}=\frac{1}{1}\end{array}$
$B=\frac{1}{6}$
that's whes I lee him have it


The riyy hat oow heapere the aighe ring. Thr linet Fill tharily appear as Fortilly. The span of a Fr. 190 (atd Me7l3, thas) is sech that in apprears evasel to a diutinter of a ring aten it is tho rys awan, lelf a thineter when it it 200 yoh, awap, and tie en .

Is furterge, stien irnteat of 1/2 urase 2 Wh ph

| $1 / 1$ | 300 pat |
| :--- | :--- |
| $1 / 4$ | 06 pdz |
| $1 / 5$ | 300 rde |
| 18 | 000 ydi |

feu will. Ctem ar gisigy the ratgent tat Fofro
300


14


The method is sefinitsly dated


Now the Hur hes appoirnd. Yep sught en bave nhar lo ds in entimate bif ringe jot dewe pove stawers.


## 1



Try there too

A-100 yds. IB-:300 yels. C-600 yds. I) 200 vods. $E-500$ yds. $F-100$ yds. 6- 5100 vels. II 500 valg.


The Hun knew his range


1-200 yds. IS-500 yuls.
C-300 yels. If 100 yals.
K-600 yals. F : 300 yds.
6-100 yds.






25





Combat flots show shat very often aniy hatt the correct altwanse at wadel


Study and remember



Try these exerclass as well-puu can'c have kne much prastlice 1

ANGLE: OFF

20
39
15
12
20
30

## HENLEATIEN

O.K.
O.K.
O.K.
O.K.
O.K.

OK.

Cinn
CHAPTER 3
IHANGE ANID IDEFLECTION

We suat fembine the wimh of the firt int chaption

1. Pantit

 of handestr of pards Thit mestof lalis ofer when the apgle
 ipan if cle werrafl.

1 ©tilsetion
Eifmars the argle aff ale penevon the mamy armit anoonitgtf
With drwatict theen the eperetion thealf bocunst tme



2. Tyr wou hatd row at antimatiy ile terge and ate agien
 ley mall


Now try thele

HANTRE
300 yds . 500 yds . 300 y els. 500 yels 100 yds 100 y as. 200 yds .


CHAPTER 4 SPEED TESTS


To do these exarclaet cornectly if mat ecough f they muat be teve apeedly.

 test after the Best las a time entimate glven.-Sen V you ran las is.

Wroet mave on ser the kellulaid rivi which you will has is she pacsat ar the and of the book. Eithase che rarge of ghe alkeraft wherem, atel Ehe correct pains of aim.



10 or
dil

In the table talisu, fil in ater rags, ind the nunter corrmpundier to what yeu think it the corroct poist of alm fer eshen of the aircrint on the pare egocift. Al poist of am for shith of the
 fegtiogs apwite teme as well at the Hin.

| Aireraft | A | B | C | D | E | F |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Range |  |  |  |  |  |  |
| Point <br> of aim |  |  |  |  |  |  |



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-

## 44 <br> $b^{\text {lict }}$



Firit upeed tene. Cemplete the table as in grovaen cotwie but fententer chat ine are bsing vinet.



IRANGE
A
B

| 300 -yds | 6 |
| :--- | ---: |
| 200 yds | 13 |
| 300 yds | 2 |
| 500 yds | 3 |
| 900 rds | 1 |
| 200 yds | 7 |

TIME 45 secs.
Fighter Pilots should-


ER: Maldicst
 BE
TOEGII


FL.Y LAKE ANGiRIS


ND SIITMET LAES W'Aar, W, TNL.

