Tips, Formulae and shortcuts for Ratio and Proportion

## By

## \$ SBLLV 5 JQ o 3 BUP BOE 1 SPQPSLPO

- 3 BUP BCE 1 SPQPSUPOTJTPOF PGUF FBIIFIUPPOFQTJO\$ " 5 *UTKIUBOFYFOTIPOPG IJH TLI PPMNBUFNBUDT
- 2 YFIUPOTGPN UJTLPGFPQBSF NPTUK BILFE JOLPONODIPOXJU PUFSLPOEFQMLF TINJNS SIBBOHNT NJYUßFTBOE BMIBUPOT
 QFSIPHUNF CMBKIP $\mathbb{P}$ BOTXFSRVFIUPOTISPN PUFSLPOIFQT

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## \$ SBLLV 5 JQ o 3 BLP BOE 1 SPQPSUPO

- " SBUP DBOCF SFQSFIFOFE BTCSBDIPOBCPSVIJOHUF OPLBUPOBC *OFBD PG UFIF SFQSFIFOBBUPO B JTDBWWE UF BOFLFEFOUBOE C JTDBWFE UF DPOIFRVFOU
- , PSBSBUP UP CF EFGOFE UF RVBOUJIFTPGUF JIFNTTI PVA CF PGIBNF CBUSF 8 F LBOOPUDPNQBS UF NOHU PGUF SPE UP UF BSFBPGBTRVBS
- ) PXFWESJGUFIF RVBOUJJFTBSF SPQSFIFOFE JOONNCFST JF NAOHU PGB SPE JT BDN BCE BSFBPGB TRVBSF JTCTRLN XF DBOTUNXEFGOF UF SBUP PGUFIF OVNCFSTBTBC


## \$ SBILV 5 JQ o 3 BLP BOE 1 SPQPSUPO

## 1 SPQISLETPG3 BLPT

- " SBUP OFFE OPUCF QPTJUF ) PXFWF JGXF BSFEFBMOHXJU RVBOUJJFTPGJFNT UFJSSBLIPTXJNOF QPTJUWF *OUJTLPOFQUXF XJMLPOIJEFSPOM QPTJUWF SBUPT
- " SBUP SFNBJOTUF TBNF JGCPU BOFDFEROBBE DPOIFRVFOUBSF N WUQNFE PS EJWEFECZ UF TBNF OPO [FSP OUNCFS JF

$$
\begin{array}{lll}
\frac{a}{b} & \frac{p a}{p b} & \frac{q a}{q b} \text { Q R3 } \\
\frac{a}{b} & \frac{a / p}{b / p} & \frac{a / q}{b / q} \text { QR3 }
\end{array}
$$

. " ) . \#" \$ \&5 \$ SBII DPVSIF
I WQT DSBDLVJONBI NCB DFUDSBII DPVSIF

## \$ SBILV 5 JQ o 3 BLP BOE 1 SPQPSUPO

- 5 XP SBUPTJOU FJSCSBDUPOOPLBUPODBOCF LPNQBSFE KIIUBTXF DPNQBSF SFBM OMNCFST

$$
\begin{array}{lll}
\frac{\mathrm{a}}{\mathrm{~b}} & \frac{\mathrm{p}}{\mathrm{q}} & \Longleftrightarrow \mathrm{BR} \\
\mathrm{CQ} \\
\frac{\mathrm{a}}{\mathrm{~b}} & \frac{\mathrm{p}}{\mathrm{q}} & \Longleftrightarrow \mathrm{BR}
\end{array} \mathrm{CQ}, \begin{array}{lll}
\mathrm{b} & \frac{\mathrm{p}}{\mathrm{q}} & \Longleftrightarrow \mathrm{BR}
\end{array} \mathrm{CQ}
$$

- *GBOFLDEFOU DPOIFRVFOUUF SBUP JTTBIE $\mathbb{P}$ CF SBUP PGHSFBIFSJOFRVBMZ
- *GBOLFLFEFOU LPOIFRVFOUUF SBUP JTTBIE $\mathbb{P}$ CF SBUP PGNITIFSJOFRVBMZ
- *GUF BOLFLFEFOU DPOIFRVFOUUF SBUP JTTBIE UP CF SBUP PGFRVBMIZ

$$
\begin{aligned}
& \text {. " ) . \#" \$ 85-JW4 4FTIJPOT } \\
& \text { I WOT XXX ZPVUVF DPN D BOOFM \$ KS( O D4 Z \# C \$ + }
\end{aligned}
$$

## \$ SBLLV 5 JQ o 3 BUP BOE 1 SPQPSUPO

*GB C YBFFQPTJUF UFO

- $\quad$ GB C UFO $\frac{B \mathrm{Y}}{\mathrm{b}} \quad \frac{\mathrm{B}}{\mathrm{b}}$
- :GB C UFO $\frac{\mathrm{B} Y}{\mathrm{~b}} \mathrm{Y} \quad \frac{\mathrm{B}}{\mathrm{b}}$
- GB C UFO $\frac{\mathrm{B} \ell \mathrm{Y}}{\mathrm{b}-\mathrm{Y}} \quad \frac{\mathrm{B}}{\mathrm{b}}$
- ${ }^{\text {GB }} \quad \mathrm{C}$ UFO $\frac{\mathrm{B} \ell \mathrm{Y}}{\mathrm{b}-\mathrm{Y}} \quad \frac{\mathrm{B}}{\mathrm{b}}$
- ${ }^{\mathrm{p}} \quad \frac{\mathrm{B}}{\mathrm{B}} \quad \frac{\mathrm{C}}{\mathrm{q}} \quad \frac{\mathrm{D}}{\mathrm{r}} \quad \frac{\mathrm{d}}{\mathrm{s}} \quad$ UFOBCDE $\quad$ QRST


## \$ SBILV 5 JQ o 3 BLP BOE 1 SPQPSUPO

## *GUXP SBUPTBCBOE DE BSF FRVBM

- $\frac{\mathrm{B}}{\mathrm{C}} \quad \frac{\mathrm{D}}{\mathrm{E}} \Rightarrow \frac{\mathrm{C}}{\mathrm{B}} \quad \overline{\mathrm{D}}$ onverfer

- $\frac{B}{C} \quad \frac{D}{E} \Rightarrow \frac{B C}{b} \quad \frac{D E}{E} \$$ PNQPoraep
- $\frac{\mathrm{B}}{\mathrm{C}} \quad \frac{\mathrm{D}}{\mathrm{E}} \Rightarrow \frac{\mathrm{BRC}}{\mathrm{C}} \quad \frac{\mathrm{DRE}}{\mathrm{E}}$ \%/WEROPP




## \$ SBILV 5 JQ o 3 BLP BOE 1 SPQPSUPO

*GB C D E F GQ R SBSF DPOIIBOTBCE BSF OPUFRVBMP [FSP

- $\frac{\mathrm{a}}{\mathrm{b}} \quad \frac{\mathrm{c}}{\mathrm{d}} \quad \frac{\mathrm{e}}{\mathrm{f}} \quad$ y UFOFBD PGUFIF SBUPTJTFRVBMP $\frac{\mathrm{a}+\mathrm{c}+\mathrm{e} . .}{\mathrm{b}+\mathrm{d}+\mathrm{f} .}$
- $\frac{\mathrm{a}}{\mathrm{b}} \quad \frac{\mathrm{c}}{\mathrm{d}} \quad \frac{\mathrm{e}}{\mathrm{f}}$ y UFOFBD PGUFIF SBUPTJTFRBBMP $\frac{\mathrm{pa}+\mathrm{qc}+\mathrm{re}+. .}{\mathrm{pb}+\mathrm{qd}+\mathrm{rf}+. .}$
- $\frac{\mathrm{a}}{\mathrm{b}} \frac{\mathrm{c}}{\mathrm{d}} \frac{\mathrm{e}}{\mathrm{f}}$ y UFOFBD PGUFIF SBUPTJTFRVBMP $\frac{(\mathrm{pna}+\mathrm{qnc}+\mathrm{rne}+. .) 1 / \mathrm{n}}{\left(\mathrm{p}^{\mathrm{n} b}+\mathrm{q}^{\mathrm{n}} \mathrm{d}+\mathrm{rnf}+. .\right) 1 /^{\mathrm{n}}}$.
- \%VQMLBFF 3 BUP PGB CJTB C
- 4VC EVQMDBF SBUP PGB CJT $\sqrt{\mathrm{a}} \sqrt{\mathrm{b}}$
- 5 SIQMLBLF 3 BUP PGB CJTB C
- 4VC SSQQLBLF SBUP PGB CJT B C
, PSBCZ RVFSIFTQNABIF DBWWTBU


## \$ SBILV 5 JQ o 3 BLP BOE 1 SPQPSUPO

## 1 SPQPSUPOT

" QSPQPSUPOJTBOFRVBMIZ PGSBUPT ) FOF BC DE JTBQPPPSUPO 5I F GSIUBOE NKIU UFSNTBSF DBMEE FYSFNFTBOE UFPU FSUXP UFSNTBSF DBMEE NFBOT
*GCPVSLFSNTB C D E BSF TBIE TP CF QPPQPSUPOBMUFOBC DE *GUSFF LFSNTB C D BSF TBIE UP CF QSPQPSUPOBMUFOBC CD

## \$ SBILV 5 JQ o 3 BLP BOE 1 SPQPSUPO

## 1 SPQESUFTPGQSPQPSUPOT

*GBC DE JTBQBPQPSUPO UFO

- 1SPEWDPGFYSFNFT QSPEVDPGNFBOTJF BE CD
- \%FOPNJOBLPSBEEJUPOTVASBDUPO BB C DD EBOE BBC DDE
- B C D E BSF JODPOJOFE QPPQPSUPONFBOT BC CD DE
- BC CDUFOC JTDBWE NFBOQPQPSUPOBMBOEC BD
- 5IF UJSE QSPQPSUPOBMPGCXP ONNCFST BBOEC JTD TVD UBUBC CD
- EJTCPVSU QSPQPSUPOBMP ONNCFSTB C DJGBC DE
'PSSFF. " ) . \#" \$ \&5 NPLLTWTJU
I UQT DSBDLVJONBI NCB DFUNPD שFIU


## \$ SBILV 5 JQ o 3 BLP BOE 1 SPQPSUPO

## 7 BSBUPOT

- *GY WBSIFTEJSFDX $\mathbb{P}$ Z UFOY JTTBJE WP CF JOEJSFDX QSPQPSUPOBMXJU Z BOE JTXSIUFOBTY $\propto \mathrm{Z}$

Y LZ XI FSFLJTEJSHDUQPQPSUPOBMZ DPOIBBOU
Y LZ \$ *GYEFQFOETVQPOTPNF PUFSGYFE DPOIBOU\$

- 'GY WBSIFTJONFSIFM UP Z UFOY JTTBJE UP CF JOJONFSIFM QBPQPSUPOBMKJU Z BOE JTXSIUFOBTY $\propto \frac{1}{\mathrm{y}}$

Y L $\frac{1}{\mathrm{y}}$ XI FSF L JTJOEJSFLUBPQPSUPOBMZ DPOIBBU
Y L $\frac{1}{\mathrm{y}}$ \$ *GYERGFOETVQPOTPNF PUFSGYFE DPOIBOU\$ MAH MBA CET Crash course https://cracku.in/mah-mba-cet-crash-course

## \$ SBILV 5 JQ o 3 BLP BOE 1 SPQPSUPO

## 7 BSBLPOT

- ${ }^{*} \mathrm{GY} \propto \mathrm{ZBOEZ} \propto[\mathrm{UFOY} \propto[$
- $\quad \mathrm{GY} \propto \mathrm{ZBOEY} \propto[\mathrm{UFOY} \propto \mathrm{Z} \pm[$
- ${ }^{*} \mathrm{~GB} \propto \mathrm{CBCE} \mathrm{Y} \propto \mathrm{Z} \mathbb{U} F O B Y \propto C Z$
" ) . \#" \$ \& 5 - JW 4FTDJPOT
I UOT XXX ZPVUCF DPN D BOOFM \$ IS( O D4 Z \# C HQ CP2


# Want a firee guidmnce for MAB MBA CET from IIMM olummi 

Whatsapp 'MBA' to +91

```
'PS&FF. " ) . # " $ &5 NPLLTWIJU
IUQT DSBDLVJONBI NCB DFUNPDL WFIU
```

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" ) . \#" \$ \& \(\$\) SBII DPVSIF I UOT DSBLVVJONBI NCB DFUDSBII DPVSIF
```

" ) . \#" \$ \& 5 - JWF 4FTIJPOT<br>I UOTS XXX ZPVVMCF DPN D BOOFM $\$$ K CP2

1 NABIF +PJO. \#" 1 SFQBSBUPO $F$ FNHESBN HSPVQ I UOTT UNF \$ BI8 JU\$ SBLDV

[^0]
[^0]:    ' PSBCZ RVFSIFTQNABIF DBMWNTBU

