Captain Michael Gitt Papers - War Department, TM 1-900, Technical Manual, Mathematics for Air Crew Trainees, 2/26/1943

(1) Example: Find 46.47/0.6.
Solution:
[[image]]
FIGURE 14.

(2) Example: Find 6.646250÷10.637.
Solution:
[[image]]
FIGURE 15.

h. Mixed numbers. - In e above it was stated that "4647/6 = 774+3/6."

When the plus (+) sign is omitted, then 774 3/16 is called a mixed number. A mixed number is simply the sum of a whole number and a fraction written without the plus sign. To convert a mixed number to a pure fraction, multiply the whole number by the denominator of the fractional part and add the numerator. This is the new numerator; the denominator does not change.

Example: Change 78 4/5 to a pure fraction
Solution:
[[image]]
FIGURE 16.

i. Checks. - Any division may be checked by multiplying the divisor by the quotient and adding the remainder. The result is always the dividend.

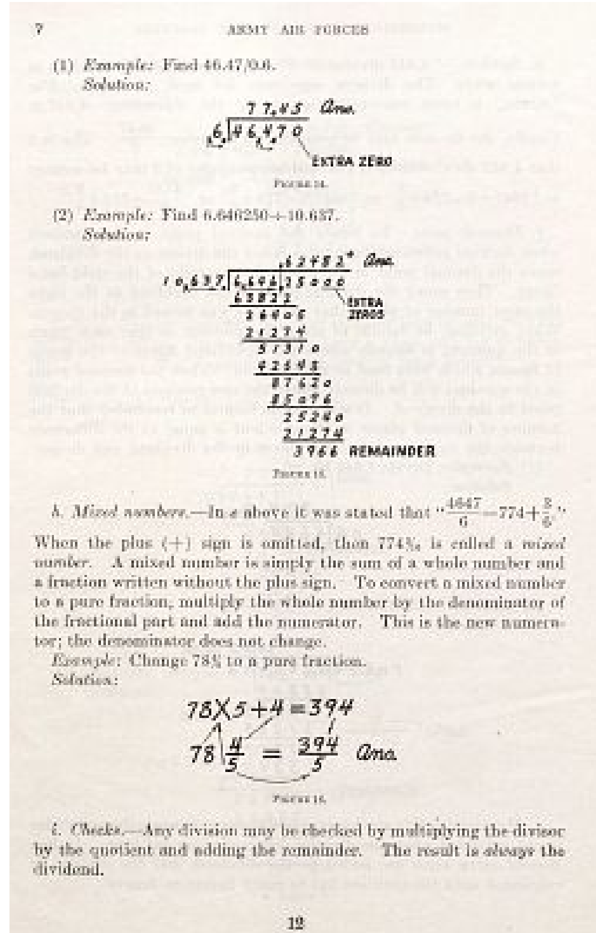
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FIGURE 14.

(2) *Example:* Find 6.646250÷10.637.
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h. Mixed numbers.—In *e* above it was stated that "$\frac{4647}{6}=774+\frac{3}{6}$."
When the plus (+) sign is omitted, then 774 3/6 is called a *mixed number*. A mixed number is simply the sum of a whole number and a fraction written without the plus sign. To convert a mixed number to a pure fraction, multiply the whole number by the denominator of the fractional part and add the numerator. This is the new numerator; the denominator does not change.
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