



**Smithsonian Institution**

*Smithsonian National Air and Space Museum Archives*

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

Extracted on Mar-29-2024 03:55:36

**The Smithsonian Institution thanks all digital volunteers that transcribed and reviewed this material. Your work enriches Smithsonian collections, making them available to anyone with an interest in using them.**

The Smithsonian Institution (the "Smithsonian") provides the content on this website ([transcription.si.edu](https://transcription.si.edu)), other Smithsonian websites, and third-party sites on which it maintains a presence ("SI Websites") in support of its mission for the "increase and diffusion of knowledge." The Smithsonian invites visitors to use its online content for personal, educational and other non-commercial purposes. By using this website, you accept and agree to abide by the [following terms](#).

- If sharing the material in personal and educational contexts, please cite the Smithsonian National Air and Space Museum Archives as source of the content and the project title as provided at the top of the document. Include the accession number or collection name; when possible, link to the Smithsonian National Air and Space Museum Archives website.
- If you wish to use this material in a for-profit publication, exhibition, or online project, please contact Smithsonian National Air and Space Museum Archives or [transcribe@si.edu](mailto:transcribe@si.edu)

For more information on this project and related material, contact the Smithsonian National Air and Space Museum Archives. [See this project](#) and other collections in the Smithsonian Transcription Center.

(1) Example: Find  $46.47/0.6$ .

Solution:



FIGURE 14.

(2) Example: Find  $6.646250 \div 10.637$ .

Solution:



FIGURE 15.

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

When the plus (+) sign is omitted, then  $774 \frac{3}{6}$  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.

Example: Change  $78 \frac{4}{5}$  to a pure fraction

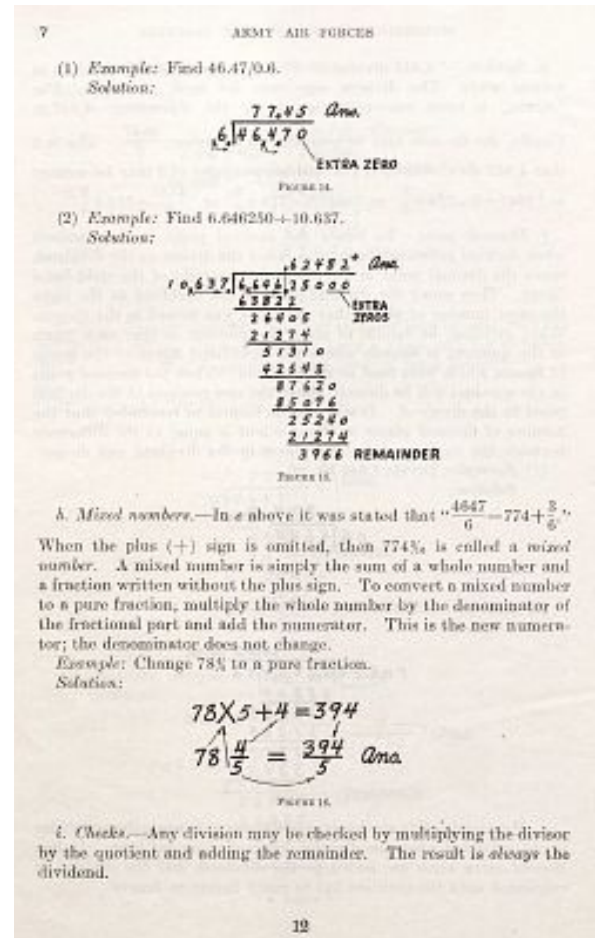
Solution:



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.

12



Captain Michael Gitt Papers - War Department, TM 1-900, Technical Manual, Mathematics for Air Crew Trainees, 2/26/1943  
Transcribed and Reviewed by Digital Volunteers  
Extracted Mar-29-2024 03:55:36



## Smithsonian Institution

*Smithsonian National Air and Space Museum Archives*

The mission of the Smithsonian is the increase and diffusion of knowledge - shaping the future by preserving our heritage, discovering new knowledge, and sharing our resources with the world. Founded in 1846, the Smithsonian is the world's largest museum and research complex, consisting of 19 museums and galleries, the National Zoological Park, and nine research facilities. Become an active part of our mission through the Transcription Center. Together, we are discovering secrets hidden deep inside our collections that illuminate our history and our world.

Join us!

The Transcription Center: <https://transcription.si.edu>

On Facebook: <https://www.facebook.com/SmithsonianTranscriptionCenter>

On Twitter: [@TranscribeSI](https://twitter.com/TranscribeSI)

Connect with the Smithsonian

Smithsonian Institution: [www.si.edu](http://www.si.edu)

On Facebook: <https://www.facebook.com/Smithsonian>

On Twitter: [@smithsonian](https://twitter.com/smithsonian)