

Name: Class:

Convert mixed numbers to decimals

a. Convert $12\frac{7}{8}$ to a decimal.b. Convert $10\frac{5}{8}$ to a decimal.c. Convert $2\frac{99}{200}$ to a decimal.d. Convert $50\frac{521}{2,985}$ to a decimal. (Round your answer to the nearest tenth).e. Convert $17\frac{5}{400}$ to a decimal. (Round your answer to the nearest thousandth).f. Convert $16\frac{2}{4}$ to a decimal.g. Convert $9\frac{3}{9}$ to a decimal.h. Convert $5\frac{12}{120}$ to a decimal.i. Convert $25\frac{150}{1,350}$ to a decimal. (Round your answer to the nearest tenth).j. Convert $32\frac{4}{126}$ to a decimal. (Round your answer to the nearest thousandth).k. Convert $62\frac{2}{200}$ to a decimal. (Round your answer to the nearest thousandth).

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a. Convert $12\frac{7}{8}$ to a decimal.

Let's convert the fraction to a decimal.

$12 + \frac{7}{8}$

0.875
8 7.000
- 64
60
- 56
40
- 40
0

Then, let's add this decimal number to the whole number part of the mixed number.

$$12 + \frac{7}{8} = 12 + 0.875 = 12.875$$

So, $12\frac{7}{8} = 12.875$

b. Convert $10\frac{5}{8}$ to a decimal.

10.625

c. Convert $2\frac{99}{200}$ to a decimal.

2.495

d. Convert $50\frac{521}{2,985}$ to a decimal. (Round your answer to the nearest tenth).

50.2

e. Convert $17\frac{5}{400}$ to a decimal. (Round your answer to the nearest thousandth).

17.013