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Converting Mixed Numbers To Decimals Worksheets

Convert the following mixed numbers to their decimal equivalent in questions 1-6

1) $3\frac{13}{10}$

2) $9\frac{1}{6}$

3) $4\frac{7}{11}$

4) $2\frac{7}{3}$

5) $5\frac{9}{14}$

6) $8\frac{3}{8}$

For questions 7-10, write your answer in decimal format rounded to 2 decimal places.

7) In the first hockey games of the year, Rodayo played $1\frac{1}{2}$ periods and $1\frac{3}{4}$ periods. How many periods in all did he play?

- a) 2.75
- b) 3.75
- c) 3.25
- d) 3.5

8) A bag can hold $1\frac{1}{2}$ pounds of flour. If Mimi has $7\frac{1}{2}$ pounds of flour, then how many bags of flour can Mimi make?



- 9) Dean buys 25 stickers on Monday and 17 on Tuesday, On Wednesday he gives $\frac{1}{6}$ of his stickers to Jack. How many does he have left?
- 10) On six book shelves there are 72 books per shelf. How many books are there altogether? If $\frac{1}{3}$ of these are non-fiction, how many fictional books are there?



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"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

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ANSWERS

1)	4.3
2)	9.16
3)	4.63
4)	4.33
5)	5.64
6)	8.37
7)	c) 3.25
8)	5
9)	35 stickers
10)	288 fictional books

FUN FACT

1. A mixed numeral is a traditional denotation of the sum of a non-zero integer and a proper fraction.
2. A mixed number is formed by combining three parts: a whole number, a numerator, and a denominator.
3. The word Fraction comes from the Latin word fractio which means 'to break'.

