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Converting Mixed Numbers To Decimals Worksheets

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

1) $4\frac{3}{10}$

2) $8\frac{1}{5}$

3) $7\frac{7}{6}$

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

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

6) $3\frac{9}{10}$

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

7) Mr. A has $3\frac{2}{3}$ acres of land. He gave $1\frac{1}{4}$ acres of land to his friend. How many acres of land does Mr. A have now?

a) 2.42

b) 2.51

c) 2.39

d) 2.47

8) Lily added $3\frac{1}{3}$ cups of walnuts to a batch of trail mix. Later she added $1\frac{1}{3}$ cups of almonds. How many cups of nuts did Lily put in the trail mix in all?

9) A train arrives at the station with 150 passengers on board. $\frac{2}{5}$ of the passengers get off the train in Seattle, and then 35 passengers board the train. How many passengers are on the train when it leaves the station?



10) 30 people watched the soccer game last night. Tickets cost \$2.75 each. Half of these fans bought a program at \$1.50 each. How much money was collected?

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- Kirk Riley

"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."

- Barbara Cabrera

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**ANSWERS**

1)	4.3
2)	8.2
3)	8.1666
4)	4.333
5)	6.8
6)	3.9
7)	a) 2.42
8)	4.66
9)	125 passengers
10)	\$ 105

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'.

