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Converting Mixed Numbers To Decimals Worksheets

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

1) $5\frac{6}{10}$

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

3) $4\frac{9}{5}$

4) $6\frac{3}{11}$

5) $8\frac{3}{4}$

6) $9\frac{5}{2}$

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

7) Linda walked $2\frac{1}{3}$ miles on the first day and $3\frac{2}{5}$ miles on the next day. How many miles did she walk in all?

- a) 5.53
- b) 5.81
- c) 5.71
- d) 5.73

8) David ate $2\frac{1}{7}$ pizzas and he gave $1\frac{3}{14}$ pizzas to his mother. How many pizzas did David have initially?



- 9) Of the 95 children in 6th grade, $\frac{3}{5}$ went to holiday parties. How many students went to holiday parties in all? Convert your answer to a decimal up to 2 places
- 10) Amy has 72 sweets in a bag. She keeps $\frac{1}{4}$ of them for herself and shares the rest with friends. How many sweets will she give to her friends?



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

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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."

- Barbara Cabrera

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ANSWERS

1)	5.6
2)	4.57
3)	5.8
4)	6.27
5)	8.75
6)	11.5
7)	5.73
8)	3.36
9)	57 students
10)	54 sweets

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'.

