



Year 6 Worksheet 2 - Decimals

Question 1: Convert the following to decimal (10ths / 100ths).

$\frac{3}{10} = 0.3$	$\frac{6}{100} = \underline{\hspace{2cm}}$	$\frac{25}{100} = \underline{\hspace{2cm}}$
$\frac{48}{100} = \underline{\hspace{2cm}}$	$\frac{5}{100} = \underline{\hspace{2cm}}$	$\frac{67}{10} = \underline{\hspace{2cm}}$
$\frac{8}{100} = \underline{\hspace{2cm}}$	$\frac{74}{10} = \underline{\hspace{2cm}}$	$\frac{10}{100} = \underline{\hspace{2cm}}$
$3\frac{3}{10} = \underline{\hspace{2cm}}$	$5\frac{47}{100} = \underline{\hspace{2cm}}$	$3\frac{2}{100} = \underline{\hspace{2cm}}$
$6\frac{5}{100} = \underline{\hspace{2cm}}$	$1\frac{29}{100} = \underline{\hspace{2cm}}$	$4\frac{56}{100} = \underline{\hspace{2cm}}$
$7\frac{73}{100} = \underline{\hspace{2cm}}$	$9\frac{98}{100} = \underline{\hspace{2cm}}$	$8\frac{1}{100} = \underline{\hspace{2cm}}$



Question 2: Answer the following.

1	Jamie bought a book for \$14.85 and a pencil for \$1.50. How much did Jamie spend in total?
2	Mia had \$27.40 and she spent \$9.75 on lunch. How much money does Mia have left?
3	A recipe calls for 1.5 cups of flour. If you want to make 4 batches, how many cups of flour do you need?
4	A box contains 8.25 dozen pencils. How many pencils are there in total?
5	A store sold 3.25 kg of apples and 2.5 kg of oranges. How many kilograms of fruit were sold in total?



6	A soccer team practices for 1.5 hours each day. How many hours do they practice in a week (7 days)?
7	A garden is 3.2 meters long and 2.5 meters wide. What is its area in square meters?
8	Lisa's family drove 125.3 km to a zoo and then 87.5 km to a museum. How far did they travel in total?
9	Sarah has a rope that is 9.6 meters long. She cuts off 3.2 meters. How long is the remaining rope?
10	A pack of markers contains 12 sets, and each set has 6 markers. How many markers are there in total?



Question 3: Answer the following.

1	Benjamin bought a laptop for \$1278.56 and a tablet for \$539.23. How much did Benjamin spend in total?
2	The garden is 5.6 meters long and 3.75 meters wide. What is its area in square meters?
3	Olivia had \$865.42 and she spent \$278.95 on clothes. How much money does Olivia have left?
4	A pack of trading cards contains 37 sets, and each set has 28 cards. How many cards are there in total?
5	A rectangular swimming pool is 12.45 meters long and 8.97 meters wide. What is its area in square meters?



6	A store sold 14.78 kg of bananas and 8.92 kg of mangoes. How many kilograms of fruit were sold in total?
7	A rectangular swimming pool is 14.5 meters long and 5.69 meters wide. What is its area in square meters?
8	Natalie's family drove 756.83 km to a national park and then 492.57 km to a campsite. How far did they travel in total?
9	A box contains 28.75 dozen pencils. How many pencils are there in total?
10	Liam has a rope that is 25.84 meters long. He cuts off 12.39 meters. How long is the remaining rope?



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Answer Key

Question 1: Convert the following.

$\frac{3}{10} = 0.3$	$\frac{6}{100} = 0.06$	$\frac{25}{100} = 0.25$
$\frac{48}{100} = 0.48$	$\frac{5}{100} = 0.05$	$\frac{67}{10} = 6.7$
$\frac{8}{100} = 0.08$	$\frac{74}{10} = 7.4$	$\frac{10}{100} = 0.1$
$3\frac{3}{10} = 3.3$	$5\frac{47}{100} = 5.47$	$3\frac{2}{100} = 3.02$
$6\frac{5}{100} = 6.05$	$1\frac{29}{100} = 1.29$	$4\frac{56}{100} = 4.56$
$7\frac{73}{100} = 7.73$	$9\frac{98}{100} = 9.98$	$8\frac{1}{100} = 8.01$



Question 2: Answer the following.

1	Jamie bought a book for \$14.85 and a pencil for \$1.50. How much did Jamie spend in total? Answer: \$16.35
2	Mia had \$27.40 and she spent \$9.75 on lunch. How much money does Mia have left? Answer: \$17.65
3	A recipe calls for 1.5 cups of flour. If you want to make 4 batches, how many cups of flour do you need? Answer: 6 cups
4	A box contains 8.25 dozen pencils. How many pencils are there in total? Answer: 99 pencils
5	A store sold 3.25 kg of apples and 2.5 kg of oranges. How many kilograms of fruit were sold in total? Answer: 5.75 kg
6	A soccer team practices for 1.5 hours each day. How many hours do they practice in a week (7 days)? Answer: 10.5 hours
7	A garden is 3.2 meters long and 2.5 meters wide. What is its area in square meters? Answer: 8 square meters
8	Lisa's family drove 125.3 km to a zoo and then 87.5 km to a museum. How far did they travel in total? Answer: 212.8 km
9	Sarah has a rope that is 9.6 meters long. She cuts off 3.2 meters. How long is the remaining rope? Answer: 6.4 meters
10	A pack of markers contains 12 sets, and each set has 6 markers. How many markers are there in total? Answer: 72 markers



Question 3: Answer the following.

1	Benjamin bought a laptop for \$1278.56 and a tablet for \$539.23. How much did Benjamin spend in total? Answer: \$1817.79
2	The garden is 5.6 meters long and 3.75 meters wide. What is its area in square meters? Answer: 21 square meters
3	Olivia had \$865.42 and she spent \$278.95 on clothes. How much money does Olivia have left? Answer: \$586.47
4	A pack of trading cards contains 37 sets, and each set has 28 cards. How many cards are there in total? Answer: 1036 cards
5	A rectangular swimming pool is 12.45 meters long and 8.97 meters wide. What is its area in square meters? Answer: 111.6765 square meters
6	A store sold 14.78 kg of bananas and 8.92 kg of mangoes. How many kilograms of fruit were sold in total? Answer: 23.70 kg
7	A rectangular swimming pool is 14.5 meters long and 5.69 meters wide. What is its area in square meters? Answer: 82.505 square meters
8	Natalie's family drove 756.83 km to a national park and then 492.57 km to a campsite. How far did they travel in total? Answer: 1249.40 km
9	A box contains 28.75 dozen pencils. How many pencils are there in total? Answer: 345 pencils
10	Liam has a rope that is 25.84 meters long. He cuts off 12.39 meters. How long is the remaining rope? Answer: 13.45 meters