

Year 4 Decimals & Fractions Worksheet



1. In 5,471.6, in which place is the 6?
 - a. tenths
 - b. hundreds
 - c. ones
 - d. tens

2. In 3,812.64, which digit is in the ones place?
3. In 4,175.6, which digit is in the tenths place?
4. In 627.84, in which place is the 7?
5. Which decimal is equivalent to 0.6570?
6. Write $\frac{9}{10}$ as a decimal number.

7. Alice bought 2.5 kg of flour, 5.34 kg of sugar and 0.35 kg of margarine. What is the total weight of the things bought by Alice?
8. The mass of the apple is 1.54 kg. A muskmelon is 2.69 kg heavier than the apple. What is the mass of the muskmelon?
9. Julie has 9.8 m of cloth. She used 1.95 m of the cloth to make a blouse. What is the length of cloth left?
10. Lara is 1.76 metres tall and Russie is 0.12 meters taller. What is Russie's height?
11. Bottle A holds 4.3 litres of water and bottle B holds 2.9 litre less water than bottle A. What is the volume of water in bottle B?

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12. The length of a ribbon is 1.28 m. The length of a rope is 2.74 m longer than the ribbon. What is the length of the rope?

Fractions

1. Of the 12 people in line for ice cream, five-sixths want vanilla. How many people want vanilla ice cream?
2. The school choir has 20 members. Eight-tenths of the members are girls. How many girls are in the choir?
3. Four-sixths of the 18 students at International's school voted for Anne for president. How many students voted for Anne?
4. Of the 14 trucks at the local dealership, three-sevenths are blue. How many blue trucks does the dealership have?
5. Emlee made 20 cherry cakes and put sprinkles on four-fifths of them. How many cherry cakes have sprinkles?
6. There are 16 candies in a bowl on the table. One-half of the candies are lemons. How many lemons are in the bowl of candy?
7. Three-sevenths of the 14 plates on the table are blue. How many blue plates are on the table?
8. Which fraction is **greater**?
 $\frac{4}{12}$ $\frac{4}{6}$
9. Which fraction is **greater**?
 $\frac{3}{5}$ $\frac{3}{10}$

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10. Write $\frac{23}{6}$ as a mixed number.
11. Write $\frac{81}{8}$ as a mixed number.
12. What number is $\frac{1}{8}$ of 8?
13. Which missing value makes these fractions equal?
 $\frac{2}{10} = \frac{1}{?}$
14. Type the missing number to complete the pattern of equivalent fractions.
 $\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{?}$