Fractions of Quantities

Finding a Fraction of a Quantity (Number)
A quantity is an amount or number of something. It could be an amount of money, a number of people or a number of objects. Fractions of quantities are found using two methods.

EXAMPLE: What is 3/4 of 12 marbles?

METHOD 1: Divide & Multiply
(1) Divide the quantity by the denominator $12 \div 4 = 3$
(2) Multiply the answer by the numerator $3 \times 3 =$ **9 marbles**

METHOD 2: Fractions to Decimals
(1) Convert the fraction into a decimal $3/4 = 0.75$
(2) Multiply quantity by the decimal $0.75 \times 12 =$ **9 marbles**
Note: Use this method only if the fraction can easily be converted to a decimal

Instructions: Find the fractions of the quantities below.

1	2/3 of 360 degrees
2	5/6 of $72

3	7/12 of 132 cookies
4	7/9 of 108 pencils
5	4/7 of 84mL
6	4/5 of 60 bottles
7	3/4 of 48 dogs
8	5/6 of 66 pizza slices

9	7/12 of 108L milk
10	7/8 of 64kg
11	6/7 of 49 degrees
12	5/6 of 42 grams
13	3/8 of $56
14	4/5 of $45

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Instructions: Find the fractions of the quantities below.

1	3/4 of $28.80
2	5/7 of 84 coins

3	11/12 of 132 pages
4	3/5 of 90 people
5	5/8 of 64 lollies
6	7/10 of 65.4m
7	3/7 of 49 chairs
8	7/9 of 108 flowers

9	7/12 of $14.40
10	4/13 of 91 bananas
11	5/14 of 126 bricks
12	7/8 of $6400
13	4/15 of 300 bags
14	9/19 of $9.50

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Instructions: Find the fractions of the quantities below.

1	7/8 of 96 dogs
2	4/7 of 84 tables

3	5/13 of 52 players
4	7/9 of $108
5	6/11 of 1320 plates
6	7/12 of 60 horses
7	5/14 of $700
8	2/11 of 1320 pens

9	7/20 of 2400 men
10	8/15 of $9000
11	14/25 of 2000 people
12	17/20 of $4.80
13	4/15 of 1200 seats
14	8/21 of 105,000 ants