

Practice Problems for Parts of Whole Things
from www.topmath.info

1 A subdivision had 800 people in 1979, and 840 people a year later. Express this growth rate as a percentage of the people originally present.

2 What is 78% of 1100?

3 867 is what percent of 1700?

4 324 is 81% of what number?

5 Tom has 9 toy trucks from a group of 30 toy trucks. Write the ratio of the toy trucks that Tom has to the remaining toy trucks in lowest terms.

Practice Problems for Parts of Whole Things
from www.topmath.info

6 George has 4 toy trucks, and John has 7 toy trucks. Write the fraction of the total toy trucks that George has in lowest terms.

7 In the time it takes Kelly to move 6 feet, Kelly's toy car can move 7 inches. Write the ratio of Kelly's speed to Kelly's toy car's speed in lowest terms.

8 In the time it takes Lisa to move 3 feet, Lisa's toy car can move 7 inches. Write the ratio of Lisa's toy car's speed to Lisa's speed in lowest terms.

9 In the time it takes Fred to move 1 meters, Fred's baby brother can move 5 millimeters. Write the ratio of Fred's speed to Fred's baby brother's speed in lowest terms.

10 In the time it takes Leah to move 10 meters, Leah's baby brother can move 30 millimeters. Write the ratio of Leah's baby brother's speed to Leah's speed in lowest terms.

Practice Problems for Parts of Whole Things
from www.topmath.info

- 11 Adam ate 9 pieces of a large cookie that had been cut into 10 equal pieces. What fraction of the large cookie did Adam eat?
- 12 George has 7 coins from a group of 35 coins. Write the fraction of these coins that George DOES NOT HAVE as a fraction in lowest terms.
- 13 What is $\frac{3}{11} + \frac{4}{11}$ in lowest terms?
- 14 John swam $2\frac{3}{8}$ miles on Monday and $4\frac{1}{2}$ miles on Tuesday. What is the total number of YARDS John swam?
- 15 A large village had 1236 people in 1977, which was an increase of 3% from 1976. How many people were in the large village in 1976?

Practice Problems for Parts of Whole Things
from www.topmath.info

1 ANSWER: 5%. EXPLANATION: The number of people increased by $840 - 800$, or 40 people. Dividing this by the number of people present before the increase (800) gives 0.05, or 5%.

2 ANSWER: 858

3 ANSWER: 51

4 ANSWER: 400

5 ANSWER: 3:7

Practice Problems for Parts of Whole Things
from www.topmath.info

6 ANSWER: $4/11$

7 ANSWER: $72:7$

8 ANSWER: $7:36$

9 ANSWER: $200:1$

10 ANSWER: $3:1000$

Practice Problems for Parts of Whole Things
from www.topmath.info

11 ANSWER: $9/10$

12 ANSWER: $4/5$

13 ANSWER: $7/11$

14 ANSWER: 12100

15 ANSWER: 1200. EXPLANATION: An increase of 3% is equivalent to multiplying by 1.03. Therefore, to figure out how many people were present in the year before the increase, simply divide 1236 by 1.03.