

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

1 What is 14% of 1400?

2 144 is what percent of 200?

3 108 is 6% of what number?

4 Elaine has 50 pictures from a group of 120 pictures. Write the ratio of the pictures that Elaine has to the remaining pictures in lowest terms.

5 Adam has 9 puzzles, and Marcia has 14 puzzles. Write the fraction of the total puzzles that Adam has in lowest terms.

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

6 In the time it takes Kelly to move 9 feet, Kelly's baby sister can move 3 inches. Write the ratio of Kelly's speed to Kelly's baby sister's speed in lowest terms.

7 In the time it takes Claire to move 11 feet, Claire's baby brother can move 9 inches. Write the ratio of Claire's baby brother's speed to Claire's speed in lowest terms.

8 In the time it takes Adam to move 6 meters, Adam's baby brother can move 40 centimeters. Write the ratio of Adam's speed to Adam's baby brother's speed in lowest terms.

9 In the time it takes Elaine to move 8 meters, Elaine's toy car can move 9 centimeters. Write the ratio of Elaine's toy car's speed to Elaine's speed in lowest terms.

10 Fred ate 3 pieces of a cake that had been cut into 8 equal pieces. What fraction of the cake did Fred eat?

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

- 11 George has 36 pencils from a group of 40 pencils. Write the fraction of the pencils that George has a fraction in lowest terms.
- 12 What is $\frac{2}{4} + \frac{1}{4}$ in lowest terms?
- 13 John swam $2\frac{1}{8}$ miles on Monday and $3\frac{1}{8}$ miles on Tuesday. What is the total number of miles John swam?
- 14 A community college had 2599 people in 1962, which was an increase of 13% from 1961. How many people were in the community college in 1961?
- 15 What is 24% of V if 0.24% of V is 9?

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

1 ANSWER: 196

2 ANSWER: 72

3 ANSWER: 1800

4 ANSWER: 5:7

5 ANSWER: 9/23

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

6 ANSWER: 36:1

7 ANSWER: 3:44

8 ANSWER: 15:1

9 ANSWER: 9:800

10 ANSWER: $\frac{3}{8}$

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

11 ANSWER: $9/10$

12 ANSWER: $3/4$

13 ANSWER: $5 \frac{1}{4}$

14 ANSWER: 2300. EXPLANATION: An increase of 13% is equivalent to multiplying by 1.13. Therefore, to figure out how many people were present in the year before the increase, simply divide 2599 by 1.13.

15 ANSWER: 900. EXPLANATION: Because 24 is 100 times 0.24, you obtain the answer by multiplying 9 by 100.