

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

1 880 is what percent of 2000?

2 1995 is 133% of what number?

3 Sharon has 7 puzzles from a group of 28 puzzles. Write the ratio of the puzzles that Sharon has to the remaining puzzles in lowest terms.

4 Claire has 4 pictures from a group of 9 pictures. Write the ratio of the pictures that Claire has to the remaining pictures in lowest terms.

5 In the time it takes Jack to move 6 feet, Jack's pet turtle can move 10 inches. Write the ratio of Jack's speed to Jack's pet turtle's speed in lowest terms.

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6 In the time it takes Richard to move 10 feet, Richard's toy car can move 10 inches. Write the ratio of Richard's toy car's speed to Richard's speed in lowest terms.

7 In the time it takes Lisa to move 12 meters, Lisa's pet turtle can move 70 centimeters. Write the ratio of Lisa's speed to Lisa's pet turtle's speed in lowest terms.

8 In the time it takes John to move 12 meters, John's pet turtle can move 50 centimeters. Write the ratio of John's pet turtle's speed to John's speed in lowest terms.

9 Kelly ate 5 pieces of a large cookie that had been cut into 7 equal pieces. What fraction of the large cookie did Kelly eat?

10 John has 15 books from a group of 40 books. Write the fraction of the books that John has a fraction in lowest terms.

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11 What is $\frac{4}{11} + \frac{6}{11}$ in lowest terms?

12 John swam $4\frac{1}{8}$ miles on Monday and $2\frac{5}{8}$ miles on Tuesday. What is the total number of miles John swam?

13 What is 73% of 100?

14 What is 21% of V if 0.21% of V is 8.5?

15 What is 120% of 97?

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1 ANSWER: 44

2 ANSWER: 1500

3 ANSWER: 1:3

4 ANSWER: 4:5

5 ANSWER: 36:5

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6 ANSWER: 1:12

7 ANSWER: 120:7

8 ANSWER: 1:24

9 ANSWER: $\frac{5}{7}$

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

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11 ANSWER: $10/11$

12 ANSWER: $6 \frac{3}{4}$

13 ANSWER: 73

14 ANSWER: 850. EXPLANATION: Because 21 is 100 times 0.21, you obtain the answer by multiplying 8.5 by 100.

15 ANSWER: 116.4