





edHelper.com/math\_workbooks.htm

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Name:	
Zachary has four times as many pennies as dimes. The total value of the coins is \$1.68. How many of each coin does he have?	Anna has a total of one hundred fifty-six pennies, nickels, and quarters. She has a total of \$15.76. She has sixteen more quarters than nickels and thirteen fewer quarters than pennies. How many of each coin does she have?
If Ryan had five more nickels and twenty-four more quarters, he would have the same number of nickels, quarters, and pennies. Ryan has a total of \$4.91. How many of each coin does he have?	Ethan has eight fewer pennies than dimes. Ethan has a total of fifty-eight pennies and dimes. How much money does he have?

### Name:

"Hey, Ted!" called out his friends. But Ted didn't reply. He was texting. They don't call him Texty Ted for nothing! Ted sends an average of 57 texts in only 4 minutes. At precisely 3:23 Ted finally sat down outside of school to play his phone. He played his phone until 3:52 when his phone ran out of power. How many texts do you think Texty Ted sent?

Mary needs to make these two fractions equal. Help her find the missing number!

$$\frac{??}{60} = \frac{54}{90}$$

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Name:	
Sean is eleven years older than Olivia, who is six years older than Natalie. The sum of their ages is fifty-nine. How old is Natalie?	Jasmine is one-third the age of Andrew. Tyler is one-half the age of Andrew. The sum of their ages is thirty-three. How old is Tyler?
Seventeen years ago, David was six less than one-half as old as Emma was. Today, Emma is thirty-eight less than three times the age of David. How old is Emma?	Alexander is four years older than Ashley, who is four years older than Justin. The sum of their ages is 49 and one-half years. How old is Ashley?

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#### Name:

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers:  $6\frac{1}{2}$ ,  $9\frac{4}{5}$ , or  $7\frac{6}{7}$ . The other three numbers have to all be DIFFERENT and must be from these:  $2\frac{1}{2}$ ,  $\frac{1}{2}$ ,  $8\frac{1}{2}$ , or



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Name:	
The measures of two angles in a complementary triangle are in the ratio of 1:2. What is the measure of the larger angle?	The measures of two angles in a triangle are in the ratio of 8:10. The measure of the smaller angle is forty-eight degrees less than two times the larger angle. What is the measure of the smaller angle?
The measures of two angles in a triangle are in the ratio of 1:14. The measure of the larger angle is sixty-six degrees more than three times the smaller angle. What is the measure of the smaller angle?	The difference between the measures of an angle and its complement is forty-two degrees. What are the measures of the two angles?

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Name:	
Nathan drove for eight hours at an average speed of 46 mph. He drove 41 mph during the first three hours of his trip. How fast did she drive during the last 5 hours?	Amber drove eight miles to Amanda's house at thirty-three mph. She then drove fifteen miles to Taylor's house. For the entire trip, Amber averaged a speed of $_{36} \frac{183}{269}$ mph. What was her average speed driving from Amanda's to Taylor's house?
Matthew can run $_{6} \frac{1}{7}$ miles in one hour. How many miles can Matthew run in fifteen minutes?	Dylan drove to the mall, which is twenty kilometers away. He left at 1:56 and arrived at the mall at 2:25. What was his average driving speed?

Solve:	
	? =

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Name:	I did page 9 I decided to skip this page edHelper
Which is bigger, half of 24 or one-fourth of 96?	Mr. Fleep had a new flying disk design. He made some calculations and decided if he could make a flying disk that had a perimeter exactly four times the diameter that it would be more aerodynamically stable than a "standard" flying disk and thus fly further. Is his design possible? Why or why not?
When our teacher handed out our math test, she told us to omit problems 4, 7, 9, 11, and 15. There were thirty problems on the test. What percent of the problems did we have to solve (to the nearest percent)?	Mr. Jones has to mix a fertilizer solution for his garden. The instructions on the package say to dissolve one-fourth of a cup of fertilizer in 5 gallons of water. He has a 40-gallon tank that he pulls with a yard tractor. He only puts 25 gallons of water in the tank each time. How many cups of fertilizer does he need to add to the tank before filling it with water?
Peter measured the mass of a solid he obtained after crystallizing an organic compound from ice cold water. The last time he did the experiment he obtained 10 grams of crystals. This time he obtained three times that much but lost three grams by accident. How many grams did he finally have at the end of today's experiment?	Of the approximately 197,000 insect species estimated to exist on Weird Island, most have yet to be discovered. In fact, just this year it was estimated that about one-fifth of the species presumed to exist on the island had been discovered. What is the ratio of discovered to undiscovered species?

### Page 1 Answers

- 1 forty-eight pennies and twelve dimes
- 2 sixty-six pennies, thirty-seven nickels, and fifty-three quarters
- 3 thirty-six pennies, thirty-one nickels, and twelve quarters
- H The total value of the coins is \$3.55.
  (twenty-five pennies and thirty-three dimes)

# Page 6 Answers

- 1 49 mph
- 2 39 mph
- 3  $_{1\frac{15}{28}}$  miles
- **4** 42 kph

## Page 3 Answers

- **1** 12
- **2** 9
- **3** 64
- 4 16 and one-half years

# Page 5 Answers



**1** 24° and 66°



