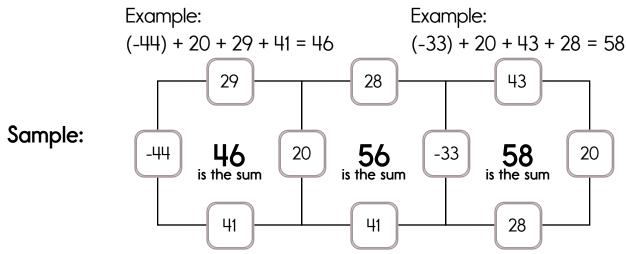
16	-5		+ 1 8		+18		+25		+ 1 2	
		ame: _						Ch all		-6 <del>-</del> 5-8
70 31 40	Pick 2	-	_		page 19		e 25	Challe Ma	ıth	
-36	pag	де 4 □р	age 10 🛚	page 16	<ul><li>□ page 2</li><li>□ page 2</li><li>□ page 2</li></ul>	2 <b>page</b>	e 28	Book	< ∠4	-47
	□ pag	де6 □р	age 12 [	] page 18	□page 2	14 1500 S		2		
+9 1 2										+ 1 2
		_		ow? The s	um of the	four surro	unding n	umbers is in	the	
+12	Exactly 17.4, 22	.4, or 28	the fou 3.6.					nese num		+17
		her threnese: 9.8	_			be DIFF	ERENT	and mus	t be	
-8		-(8.7)-		<b>-</b> [7.2]-		even				+ _2
	9.8	41.5	5.6	<b>40</b>	9.8 ess than 17	<b>31</b> 7.4 eith	ner 17.4 (	<b>43.1</b> or 2.7		
- 1 2		17.4	eith	ner 5.6 or				8.7		+50
		33.9		29.9		32.8		43.1		68 7 10
+53					l					-3 <u>1</u>
	+ 3 10		+2 3 8 edH	elper.con	+7	ade.htm	+ 1 2		-35	Sixth Grac

	I did page 1	I decided to skip the dl	his page Helper
Name:			
Samantha collects squishies. "I love em!" she says to her fri 'Me, too," replies Jen. "Check out my new Mochi Squishies tickle-me-pink." 'Seriously? Tickle-me-pink is a color?" asks Samanta. 'It is! But it was the most expensive to buy." 'How much?" asks Jen. 'Well, I got one blue squishy and two red squishies for 55 of then I got one tickle-me-pink squishy and two blue squishies of yeah, I also got one red squishy and two tickle-me-ping you can guess how much the tickle-me-pink cost me, I'll	cents. ies for 85 cents nk squishies. Tha	ıt was 85 cents, als	О.
Please show how you found your answer. You really we sooooooo cute!	ant that tickle-n	ne-pink squishy. It	's

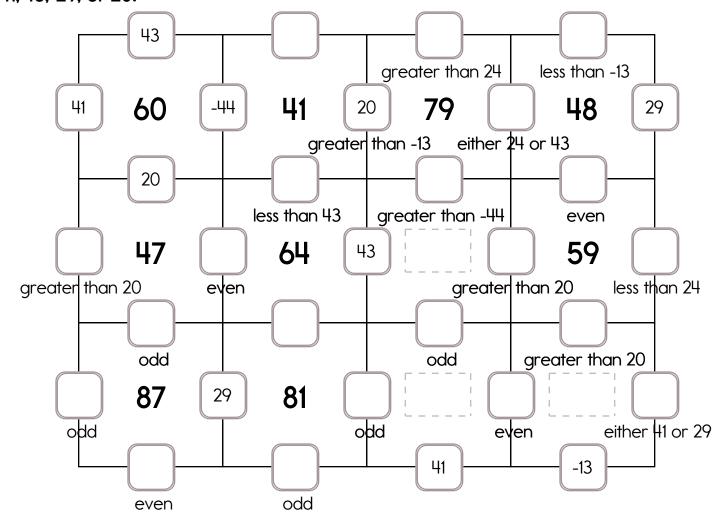
	I did	did page 2		I decided to skip this pag edHelper
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Mental break. Time to use a pencil for this more challenging page. Good luck!

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.



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: -33, -13, or -44. The other three numbers have to all be DIFFERENT and must be from these: 28, 24, 41, 43, 29, or 20.



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	eaHeiper

Name: \_

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.

A block with 2 spaces must have the numbers 1 and 2.

A block with 3 spaces must have the numbers 1, 2, and 3.

A block with 4 spaces must have the numbers 1, 2, 3, and 4.

2		2	1	3	1
1	5	3	5	4	2
	1	4	2	3	1

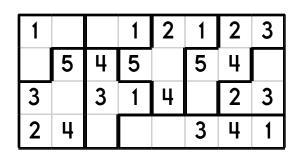
An entire block with 5 spaces is blank. Since the block is 5 spaces it uses the numbers 1-5.

3 2 5 4 1

1	5	1	4	1			
2	3	2	3	5	3		
1	5	1	4	1	4	1	2

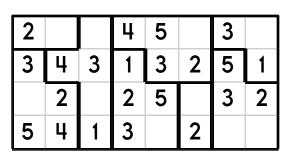
An entire block with 5 spaces is blank. Since the block is 5 spaces it uses the numbers 1-5.

4 2 1 3 5



Hint - These numbers are missing:

2 2 5 2 2 3 1 1 3 1



Hint - These numbers are missing:

2 1 1 5 4 1 1 1 4 2

I did page 4	I decided to skip this page edHelper

Name: \_

### Sudoku Sums of 12

Each row, column, and box must have the numbers 1 through 9. Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 12.

Here is an example of a sudoku sum of 12:

$\sim$	· • •
9	∣ <b>≺</b> :
,	· • • • • • • • • • • • • • • • • • • •

				: :			
	4						
3	8	6		9			
		7		5		4	
							7
		4			1		
8	6		4		3	9	1
		3				7	
4	9		5			6	3
	7	8		6	9		4

6,886 - 2,351 =	_	8 3 2 - 5 5 8	48 ÷ 12 =	
9 x 8 =	11 x 12 =	<u>- 336</u>		

word root **saur** can mean **lizard** 

tyrannosaurus, dinosaur



Change  $\frac{40}{15}$  to a mixed number.

Find 50% of 124.

Change  $\frac{3}{20}$  to a decimal.

57.9 + 4.27 Change 0.08 to a percent.

Subtract 309 from 391.

Convert to a fraction or mixed number and simplify.

54 is what percent of 135?

Change  $\frac{21}{70}$  to a decimal.

Change  $\frac{7}{8}$  to a decimal.

$$8 + \frac{2}{3} - \frac{1}{2} =$$

Change to percents.

I did page 7	I decided to skip this page edHelper

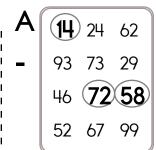
Pick up all of the robots from the game board. Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a robot or the E circle. No stopping on an empty box.** Try to collect all the robots and finish your last line on the **E** circle. You can go through a robot more than once.

		000		
		$\bigcirc$ E		
				B

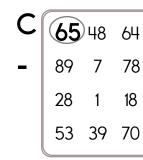
Didn't get them all? That's ok. This was hard.

I missed \_\_\_\_\_ circle(s).

Ready to make equations? There is a missing equation in each box. Circle the numbers once you find it!



**27**) 33 50 92 70 77 47 24 69 13



14

=

Find a subtraction fact.

Find a subtraction fact.

Find a subtraction fact.

# **Equations:**

Write the equation facts you found.

**72** 58

65	-	=	

Write 2,632 in words.		3 0 + 3 2		
5,175 + 9,389 =				
4,379 + 8,668 =	13 cm =	mm	7 6 <u>- 6 1</u>	

	I did page 9	I decided to skip this pagedHelper
Name:		curresper
The fifth-grade class had an election. They have a large the class voted.  The person with the most votes will become the calendomost votes will be the paper collector. The lucky one wittrash monitor.  Robert got 20% of the vote.  For every 3 voters, Sarah received 1 vote.  For every 6 voters, Jack received 1 vote.  Emily received three-tenths of the vote.  Who has what job?	ar helper. The one	with the second to
Please show how you found your answer.		

Name:	I did page 10 I decided to skip this paged Helper
Coach Dave is proud of his hockey team. They had a green a really good team.  Coach Dave wants to give his best player a trophy. Only Lack played 15 games, scored 12 goals, had 6 assists, and so Bob played 13 games, scored 8 goals, had 10 assists, and specification of the played 16 games, scored 2 goals, had 20 assists, and Anna played 14 games, scored 3 goals, had 9 assists, and so She was the only girl on the team.  Help Coach Dave decide who most deserves the trophy.	H players scored during the season. Spent 22 minutes in the penalty box. Doent 10 minutes in the penalty box. Doent 43 minutes in the penalty box. Doent 18 minutes in the penalty box. Doent 18 minutes in the penalty box.
Show your work.	

N.T.		I did page 11 I decided to	skip this page edHelper
Mrs. Hernandez wo factory last week. A long as Mrs. Hernar work?	Alex worked 1.8 time	es as valentines. Max received 17 valentines	s. How eive
mud. She loves h	er job! Today there	scoop up mud and make it into kilogram blocks are were 73,196 milligrams of mud trucked in. Each no more. How many mud blocks can she make t	n mud
		at has the greatest value, and put a square arou	ınd
3 <sup>5</sup>	nas the least value.  3 <sup>3</sup>	31	
7 <sup>2</sup>	7 <sup>6</sup>	7 <sup>1</sup>	

 $edHelper.com/sixth\_grade.htm$ 

word root **rupt** can mean **break** 

erupt, interrupt

I did page 12		I decided to skip this page edHelper
1	<u> </u>	

Draw a line to match each problem with the same answer.

3

42 ÷ 7

[5 x 5

72

- 25
- (27 ÷ 9
- (6
- (9 x 8

Skill: Whole Numbers, Factors, and Prime Numbers

Emma has  $\frac{5}{6}$  gallon of paint. She painted her room and used  $\frac{2}{3}$  of it. How much paint did she use?

$$\frac{2}{3} \div \frac{5}{6}$$

$$\frac{2}{3} \times \frac{5}{6}$$

Skill: Fractions and Mixed Numbers (multiplication/division)

Compare the numbers. Write >, <, or =.

Skill: Positive and Negative Numbers

Fifty people were asked, "Would you rather stay in during a snow day or build a fort?" Ten said they would build a fort. What percent would build a fort?

Skill: Percents

Write the fraction as a decimal.

$$\frac{3}{100}$$
 =

Skill: Fractions and Mixed Numbers (addition/subtraction)

Name: \_

Write each product in the simplest form.

$$\frac{1}{6}$$
 x  $\frac{3}{5}$ 

$$\frac{3}{8}$$
 x  $\frac{7}{16}$ 

$$\frac{1}{2} \times \frac{3}{4}$$

$$\frac{9}{13}$$
 x  $\frac{1}{15}$ 

$$\frac{1}{2} \times \frac{7}{8}$$

$$\frac{2}{3}$$
 x  $\frac{6}{7}$ 

$$\frac{5}{11}$$
 x  $\frac{1}{2}$ 

$$\frac{1}{2} \times \frac{3}{4}$$

$$\frac{2}{3}$$
 x  $\frac{7}{13}$ 

$$\frac{1}{5}$$
 x  $\frac{7}{20}$ 

$$\frac{5}{12}$$
 x  $\frac{1}{3}$ 

I did page 14 I decided to skip this edHel	page per
Cross off the number that does NOT belong.	
6, 10, 14, 20, 26, 34, 42, 52, 62, 74, 86, 100, 114, 125, 130, 146, 164	
Why does not belong in the pattern?	
Cross off the number that does NOT belong.	
(6,442,450,944), (805,306,368), (100,663,296),	
(12,582,912), (1,572,864), (196,608), (24,576),	
(12,089), (3,072), (384), (48)	
Why does not belong in the pattern?	

I did page 15	I decided to skip this page edHelper
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Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 6.

Every row must contain the numbers 1, 2, 3, 4, 5, and 6.

Every column must contain the numbers 1, 2, 3, 4, 5, and 6.

In a cage with a subtraction sign, the given number will be the difference. The largest number will always be the box with the clue.

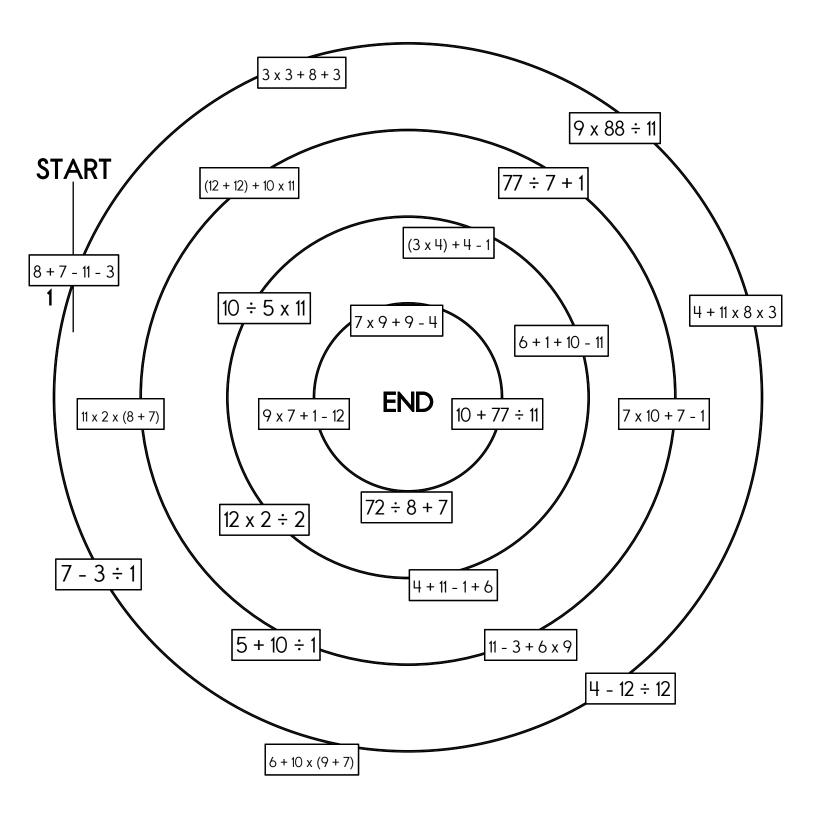
4-		2-	1-	3	1-
1-				1- 2	
1-	2-	2- 5			6
		3	2-		3-
1-	2-		1-	1-6	
	<b>4</b> -				1

Fill in the blanks. These equations are from the puzzle above.

Name:	I did page 16 I decided to skip this page 16 edHelper
Anna likes to make her own board games with special dice. In her latest creation, each die has 7, 8, 9, 10, 11, and 12. If you have to roll two of these dice for each move, what is the most likely outcome for your first move?	Five hundred multiplied by ten raised to what power equals ?
Ava and three of her friends do yard work on the weekends. This weekend, they made \$87.17 together. If they want to try to split the money evenly using only dollar bills and quarters, how much will each get? Is there any remainder?	Rose is working on a little tire for a toy car. In fast mode, the tire will rotate 12 times per second. In slow mode, it rotates 6 times per second. Rose put the car on fast mode and let it run for 2.6 minutes. How many times did the little tire rotate during this time?

		I did page 17	I decided to skip this page edHelper
Name:			•
Draw a line from ST	ART to END.		
17	12	+	
20			

Cross out the number you use above and then write it below.



Rewrite this mixed number as an improper fraction.

What 3 coins add up to 36 cents?

It was 8 degrees above zero in the morning. By afternoon the temperature rose 26 degrees. How warm was it?

$$46\frac{5}{7}$$
,  $44\frac{1}{7}$ ,  $41\frac{4}{7}$ ,  $39$ ,  $36\frac{3}{7}$ ,  $33\frac{6}{7}$ ,  $31\frac{2}{7}$ ,  $26\frac{1}{7}$ ,  $23\frac{4}{7}$ ,  $21$ ,  $18\frac{3}{7}$ 

$$19 \frac{1}{4}, 19, 18 \frac{2}{3}, 18 \frac{5}{12},$$

$$18 \frac{1}{12}, 17 \frac{5}{6}, 17 \frac{1}{2}, 17 \frac{1}{4},$$

$$16 \frac{11}{12}, 16 \frac{2}{3}, -----$$

$$16 \frac{1}{12}, 15 \frac{3}{4}, 15 \frac{1}{2}$$

edHelper.com/sixth\_grade.htm

Sixth Grade

Fill in the missing numbers.

Rewrite 7 - 3

Using numbers: -3 and 7

 $6\frac{2}{9} + 4\frac{3}{9}$ 

-5 + 14 = \_\_\_\_

Know how many inches in a foot? Okay, smarty pants, how many inches in 7 feet?

Pick the family fact that is missing.

$$120 \div 15 = 8$$

15 - 4 = \_\_\_\_

15 + -4 = \_\_\_\_

$$8 \times 15 = 120$$

$$120 \div 8 = 15$$

$$(3 + 7) + 2 =$$

	I did page 2	I decided to skip this page edHelper
Jama•		

Each box needs a number from 1 to 9. You may re-use numbers.

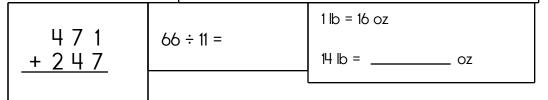
sum of	sum of <b>7 ↓</b>					
		sum of $3 \downarrow$			sum of 2→	
			sum of <b>9</b> →			sum of <b>5</b> ↓
sum of					sum of <b>7</b> ↓	2
sum of <b>9 ↓</b>			sum of 10 <b>↓</b>	sum of	2	
4		sum of <b>9</b> →	3	1		
2	sum of 10 -			5		
				sum of <b>9</b> →		

///	///	sum of				sum of	sum of
		8→				5 ↓	4 ↓
sum of <b>8</b> →							1
sum of <b>8 ↓</b>	sum of <b>7 ↓</b>			sum of $6 \downarrow$			3
5			sum of				
		sum of			sum of	sum of	sum of
		5 ↓	8 ↓		10 ↓	7 ↓	4 ↓
sum of <b>5</b> →	1						
				sum of <b>7</b> →		2	
	sum of		Ц	sum of			

Can 696 be evenly divided by 5? Circle: 696 is evenly divisible by 5 696 is NOT evenly divisible by 5

Jason has three quarters, two dimes, and one nickel. He also has one other coin that is different from the rest of his coins. How much could he have?

	How many centimeters are in 80 millimeters?	
4 x 3 =	centimeters	



Eric and his family are planning a trip to Ocracoke Island, the home of the famous pirate Blackbeard. They live 346 miles from Ocracoke. If they travel at an average speed of 58 miles per hour, how long will it take them to drive to Ocracoke Island?

It was such pandemonium! There were books stacked everywhere in the new bookstore. Max finally found the book he wanted at the bottom of the stack. He gave the clerk a 20-dollar bill. If the price of the book was \$16.42, how much change did he get?

Fred the Fantastic does his magic act on a revolving stage. The stage has a diameter of 12.3 feet. What is the area of the stage? Round your answer to the nearest hundredth.

John Glenn's Mercury capsule missed its ocean target by -40 miles. Scott Carpenter's capsule missed its target by -250 miles. How much farther away was Carpenter's capsule than Glenn's? Of the 70 students at Donya's Dance Studio, 11 are girls from 6 to 8 years old, and 10 are girls under age 6. What is the ratio of girls under age 9 to the total number of students? Write the ratio as a fraction in lowest terms.

$$|-12| + g = 10$$

g =

$$y = x + 18$$

$$y = 25$$

What is the value of x?

What is the remainder of 96 divided by 18?

edHelper.com/sixth\_grade.htm

Sixth Grade

Holly planted 12 strawberry plants. For four weeks in a row, each plant produced 7 strawberries. Holly shared her strawberries equally among her 7 best friends and herself. How many strawberries did each person get? Everyone was making a poster about forgiveness for Let It Go Day. Jason wanted his to be a little different. He decided to make it round. If his poster has a radius of five inches, what will the circumference of the circle be?

As of 1997, Hoo Sateow of Chang Mai, Thailand, had the world's longest hair. At that time his hair was 203 inches long. Write the length of his hair in feet and inches.

Mr. Walker wrote down his daily black cow root beer float sales for the last week. He had sold 430 floats at \$2.20 each. The ingredients for the floats cost \$1.07 per float. How much profit did he make last week?

Connor is a volunteer at a kitchen that serves meals to people that need help.

He uses 1 1/4 pounds of meat to make enough spaghetti sauce to serve 6 people. How many people could be served if he used 36 pounds of meat?

The tap dance recital will be held at Madison Community Theater on May 24. The auditorium will hold 642 people and 77% of the tickets have been sold. How many more tickets will need to be sold to fill the auditorium?

Name:	I did page 23 I decided to skip this page edHelper
85 (360) (27) (13) (36) (18) (18)	8 24 48 18
352 x 15 16 x 3 5 5	22 11 2 9 1 25 22
17 x 6 4 13 4 4 3 3 2 2 8 5	252 x 12 + 8 3 9 + + + + + + + + + + + + + + + + + +
Change $\frac{196}{105}$ to a mixed 221 is what per	8 3 12 - 7 10 12

edHelper.com/sixth\_grade.htm Sixth Grade



Change 
$$\frac{70}{100}$$
 to a percent.

Write the decimal number for:

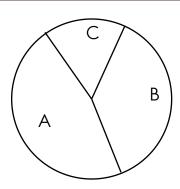
sixty-nine thousandths

Jenna loves to swim. If she swims for 5 minutes, she can average a lap every 146 seconds. If she swims for 10 minutes, the average speed of each lap is 14 seconds slower than when she swims for 5 minutes.

Today, Jenna is going to swim laps for 10 minutes. How many laps do you think she will be able to complete?

Pam referees soccer games. U12-U14 games are 35-minute halves. U15-16 games are 40-minute halves. U17-19 games are 45-minute halves.

Today she is working a U15 game that starts at 8:00 a.m. If halftime is seven minutes, what would be a reasonable estimate for when the game will end?



This circle has been split up into three parts. Approximately what percent is each of the letters? You do not need to be exact, but your answers should make sense.

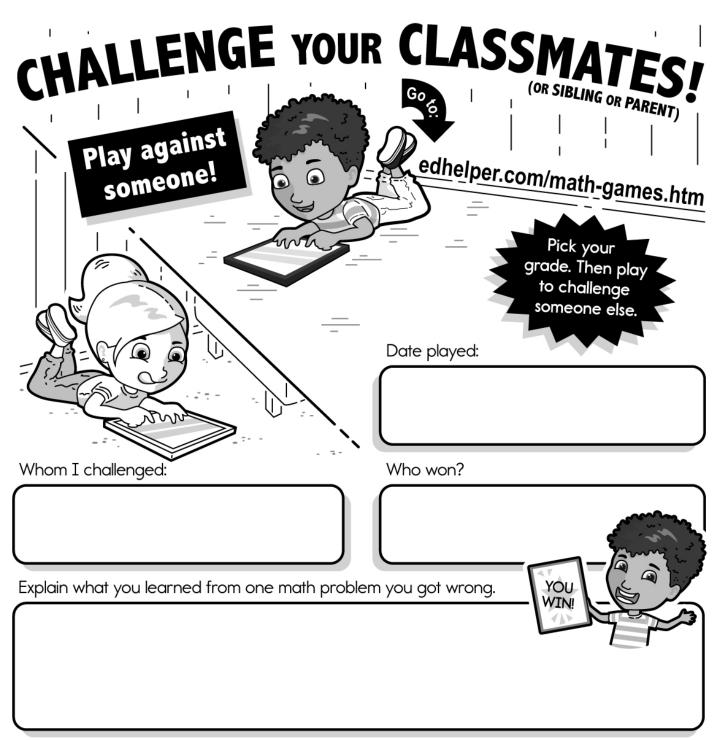
$$A + B + C = 100\%$$

A recipe for pound cake calls for 8 eggs and 3 cups of all-purpose flour. Jack only has 6 eggs. How many cups of all-purpose flour should he use?

		I did page 26	I decided to skip this page edHelper
Name:			**CONTROL OF THE PORT OF THE P
Robot was give	en a math problem to solve.		
	Nursery sold 553 houseplants in Marc ne. How many houseplants were sold i	•	and
Robot wrote th	his program in Python to solve it.		
March_ May_sc	gning values to variables _sales = 553 ales = 752 sales = 1956		
	ning up the values ales = March_sales + May_sales + June_sal	les	
print(to	otal_sales)		
. •	am will print the answer to the math proble program print out? Fill in the blanks.	m.	
	Hints and Questions When Robot wants to help explain somet with # and a space. This is called a comm Robot's program?		
	After Robot's program is done, the varial	ole March_sales w	rill have a value in it.
	What value does it have?		

	I did page 27	I decided to skip this pagedHelper
Name:Robot wrote this program to solve a math problem.		
# assign the number of each candy to variables		
lemon_drops = 6		
lollipops = 20 peppermints = 24		
# calculate the total number of candies by addir total_candies = lemon_drops + lollipops + peppe		ount
print("Freddy Frog won a total of", total_candies	, "candies.")	
What will the program print out? Fill in the blanks.		
Freddy Frog won a total of candies.		
Wait! Robot forgot to write down the math problem. Can you write your own word problem to explain Robo	t's computer code	?

I did page 28 I decided to skip this page 28 I decided to skip
Justin decided to repaint his bedroom during Jump Out of Bed Month. It took three quarts of paint to paint $\frac{1}{4}$ of his room. At a cost of \$25.19 per gallon, how much will the paint cost for his whole room?
The fish in tank 1 are fed every 12 hours. The fish in tank 2 are fed every 6 hours.  Assuming they are both fed at the same time on one day, how many hours will it be before they are again both fed at the same time?
In the fourth grade, each student read one poem. Of the students, $\frac{1}{5}$ read "The River," $\frac{1}{5}$ read "Storm Clouds," and $\frac{3}{5}$ read "First Spring." Which poem was read by the most students?



Reduce  $\frac{2}{40}$  to its lowest terms.





