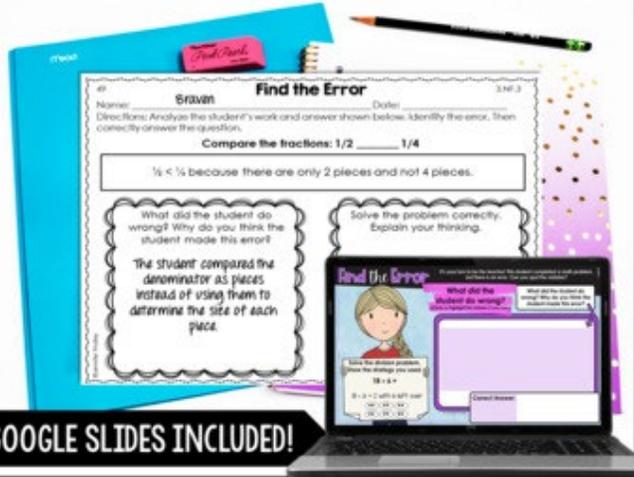


WANT MORE ERROR ANALYSIS TASKS SPECIFIC TO YOUR GRADE LEVEL?

ERROR ANALYSIS 3RD GRADE MATH TASKS



Find the Error
Name: Eraven Date: _____
Directions: Analyze the student's work and answer shown below. Identify the error, then correctly answer the question.

Compare the fractions: $\frac{1}{2}$ _____ $\frac{1}{4}$

$\frac{1}{2} < \frac{1}{4}$ because there are only 2 pieces and not 4 pieces.

What did the student do wrong? Why do you think the student made this error?
The student compared the denominator as pieces instead of using them to determine the size of each piece.

Solve the problem correctly. Explain your thinking.

Find the Error
Name: Eraven Date: _____
Directions: Analyze the student's work and answer shown below. Identify the error, then correctly answer the question.

Solve: $18 \div 4$

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Show all of your work.

Find the Error
Name: _____ Date: _____
Directions: Analyze the student's work and answer shown below. Identify the error, then correctly answer the question.

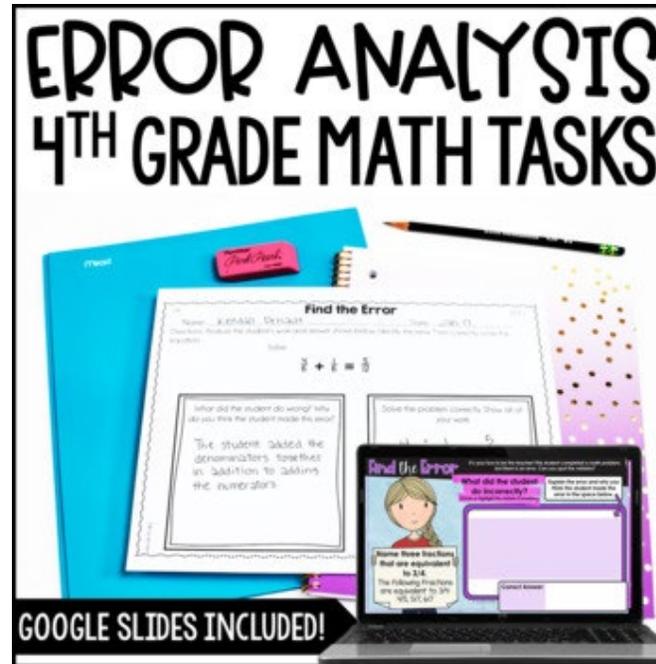
Solve: $18 \div 4$

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Show all of your work.

GOOGLE SLIDES INCLUDED!

ERROR ANALYSIS 4TH GRADE MATH TASKS



Find the Error
Name: Armani Date: _____
Directions: Analyze the student's work and answer shown below. Identify the error, then correctly answer the question.

Solve: $2 + 2 = 5$

What did the student do wrong? Why do you think the student made this error?
The student added the denominators together in addition to add the numerators.

Solve the problem correctly. Show all of your work.

Find the Error
Name: _____ Date: _____
Directions: Analyze the student's work and answer shown below. Identify the error, then correctly answer the question.

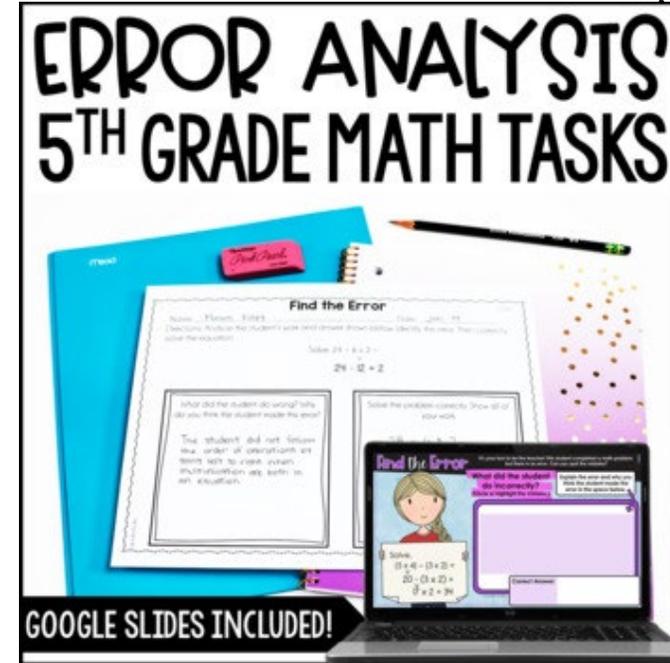
Solve: $2 + 2 = 5$

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Show all of your work.

GOOGLE SLIDES INCLUDED!

ERROR ANALYSIS 5TH GRADE MATH TASKS



Find the Error
Name: Eraven Date: _____
Directions: Analyze the student's work and answer shown below. Identify the error, then correctly answer the question.

Solve: $24 \div 3 = 2$
 $24 \div 12 = 2$

What did the student do wrong? Why do you think the student made this error?
The student did not follow the order of operations and seems to be using multiplication as both an operation.

Solve the problem correctly. Show all of your work.

Find the Error
Name: _____ Date: _____
Directions: Analyze the student's work and answer shown below. Identify the error, then correctly answer the question.

Solve: $18 \div 4$

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Show all of your work.

GOOGLE SLIDES INCLUDED!

Click here or on the images above to see even more math error analysis tasks for your specific grade level!

ABOUT THIS RESOURCE

This free resource includes 16 error analysis math tasks for multi-step word problems. These error analysis math tasks are available in two levels.

Level 1 – In this level, there are 10 error analysis math tasks that involve all four operations (basic math facts only). These are ideal for mid to end of 3rd grade, beginning of 4th grade, or remediation for 4th and 5th grade students.

Level 2 – In this level, there are 6 error analysis math tasks that involve all four operations (requiring multi-digit multiplication and division). These are ideal for mid to end of 4th grade or 5th grade students.

Each error analysis task includes a word problem and a sample student work (shown in a few different formats throughout the tasks) that incorrectly solves the problem. The incorrect student work is in a box to help the students quickly find it each time. The student is asked to determine the error and explain why he or she thinks the student made that error. Then the student has to solve the problem correctly.

The errors include skipping steps, choosing the wrong operation, or miscalculations.

These tasks can be used for independent work, math centers, homework, test prep, RTI, or even as a means of assessment.

LEVEL 1 ERROR ANALYSIS MATH TASKS

In this level, there are ten error analysis math tasks that involve all four operations (basic math facts only). These are ideal for mid to end of 3rd grade, beginning of 4th grade, or remediation for 4th and 5th grade students.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Krista bought 4 bunches of bananas. Each bunch had 6 bananas on it. If she used 5 bananas for banana bread, how many bananas were left?

Student Work

$$\begin{array}{r} 4 \\ + 6 \\ \hline 10 \end{array} \qquad \begin{array}{r} 10 \\ - 5 \\ \hline 5 \end{array}$$

Krista had 5 bananas left.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Krista bought 4 bunches of bananas. Each bunch had 6 bananas on it. If she used 5 bananas for banana bread, how many bananas were left?

Student Work

$$\begin{array}{r} 4 \\ + 6 \\ \hline 10 \end{array} \qquad \begin{array}{r} 10 \\ - 5 \\ \hline 5 \end{array}$$

Krista had 5 bananas left.

What did the student do wrong? Why do you think the student made this error?

The student added 4 and 6 instead of multiplying.

Solve the problem correctly. Explain your thinking.

Step 1: $4 \times 6 = 24$ bananas in all because there are 4 bunches of 6

Step 2: $24 - 5 = 19$ bananas left because she used 5 of her total amount

Solution: Krista had 19 bananas left.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Alex made 2 snowballs. Haim made 3 more snowballs than Alex. Zeke made 3 times as many snowballs as Haim and Alex combined. How many snowballs did Zeke make?

Student WorkStep 1: $2 + 3 = 5$ snowballs that Haim madeStep 2: $3 \times 5 = 15$ snowballs

Solution: Zeke made 15 snowballs.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Alex made 2 snowballs. Haim made 3 more snowballs than Alex. Zeke made 3 times as many snowballs as Haim and Alex combined. How many snowballs did Zeke make?

Student Work

Step 1: $2 + 3 = 5$ snowballs that Haim made

Step 2: $3 \times 5 = 15$ snowballs

Solution: Zeke made 15 snowballs.

What did the student do wrong? Why do you think the student made this error?

The student did not combine the amount of snowballs that Haim and Alex both made before multiplying.

Solve the problem correctly. Explain your thinking.

Step 1: $2 + 3 = 5$ snowballs that Haim made

Step 2: $5 + 2 = 7$ snowballs that Haim and Alex made combined

Step 3: $3 \times 7 = 21$ snowballs that Zeke because it was 3 times as many

Solution: Zeke made 21 snowballs.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Sky has 5 different packs of bubble gum. Each pack contains 7 pieces of gum. Her friend Chase gives her 6 more pieces of gum. How many pieces of gum does she have?

Student Work

$$\begin{array}{r} 5 \\ \times 7 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 30 \\ + 6 \\ \hline 6 \end{array}$$

Sky has 36 pieces of gum.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Sky has 5 different packs of bubble gum. Each pack contains 7 pieces of gum. Her friend Chase gives her 6 more pieces of gum. How many pieces of gum does she have?

Student Work

$$\begin{array}{r} 5 \\ \times 7 \\ \hline 30 \end{array} \qquad \begin{array}{r} 30 \\ + 6 \\ \hline 6 \end{array}$$

Sky has 36 pieces of gum.

What did the student do wrong? Why do you think the student made this error?

The student incorrectly multiplied 5×7 to equal 30, instead of 35.

Solve the problem correctly. Explain your thinking.

Step 1: $5 \times 7 = 35$ total pieces of gum

Step 2: $35 + 6 = 41$ pieces of gum

Solution: Sky has 41 pieces of gum.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Simon had 21 toy cars. He gave 3 of the cars to his cousin. He then divided the remaining cars equally into 9 bins. How many cars did Simon put into each bin?

Student Work

Step 1: $21 - 3 = 18$ toy cars remaining

Step 2: $18 - 9 = 9$ toy cars in each bin

Solution: Simon put 9 toy cars into each bin.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Simon had 21 toy cars. He gave 3 of the cars to his cousin. He then divided the remaining cars equally into 9 bins. How many cars did Simon put into each bin?

Student Work

Step 1: $21 - 3 = 18$ toy cars remaining

Step 2: $18 - 9 = 9$ toy cars in each bin

Solution: Simon put 9 toy cars into each bin.

What did the student do wrong? Why do you think the student made this error?

The student incorrectly subtracted $18 - 9$ instead of dividing.

Solve the problem correctly. Explain your thinking.

Step 1: $21 - 3 = 18$ toy cars remaining

Step 2: $18 \div 9 = 2$ toy cars

Solution: Simon put 2 toy cars into each bin.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

At the arcade, Mohammed wins 14 tickets playing Skee-Ball and 16 tickets playing Whack-A-Mole. Neon bracelets cost five tickets each. How many neon bracelets can he get with his tickets?

Student Work

Step 1: $14 + 16 = 20$ tickets in all

Step 2: $20 \div 5 = 4$ neon bracelets

Solution: Mohammed can get 4 neon bracelets.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

At the arcade, Mohammed wins 14 tickets playing Skee-Ball and 16 tickets playing Whack-A-Mole. Neon bracelets cost five tickets each. How many neon bracelets can he get with his tickets?

Student Work

Step 1: $14 + 16 = 20$ tickets in all

Step 2: $20 \div 5 = 4$ neon bracelets

Solution: Mohammed can get 4 neon bracelets.

What did the student do wrong? Why do you think the student made this error?

The student added 14 and 16 incorrectly, which also affected Step 2.

Solve the problem correctly. Explain your thinking.

Step 1: $14 + 16 = 30$ tickets in all

Step 2: $30 \div 5 = 6$ neon bracelets

Solution: Mohammed can get 6 neon bracelets.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Cece had 64 crayons. She divided her crayons evenly into 8 different boxes. Her sister Esme opened one of the boxes and took out 3 of the crayons. How many crayons were left in the box Esme opened?

Student Work

Step 1: $64 \div 8 = 8$ crayons in each box

Step 2: $8 + 3 = 11$ crayons left in the box

Solution: There were 11 crayons left in the box.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Cece had 64 crayons. She divided her crayons evenly into 8 different boxes. Her sister Esme opened one of the boxes and took out 3 of the crayons. How many crayons were left in the box Esme opened?

Student Work

Step 1: $64 \div 8 = 8$ crayons in each box

Step 2: $8 + 3 = 11$ crayons left in the box

Solution: There were 11 crayons left in the box.

What did the student do wrong? Why do you think the student made this error?

The student incorrectly added 8 crayons to 3 crayons instead of subtracting.

Solve the problem correctly. Explain your thinking.

Step 1: $64 \div 8 = 8$ crayons in each box

Step 2: $8 - 3 = 5$ crayons left in the box

Solution: There were 5 crayons left in the box.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Mr. James drinks 21 cups of coffee each week (7 days). He drinks the same number of cups of coffee a day. On Monday, he was feeling a little sleepy, so he drank 2 extra cups of coffee. How many cups of coffee did he have on Monday?

Student Work

$$\begin{array}{r} 21 \\ + 2 \\ \hline 23 \end{array}$$

Mr. James had 23 cups of coffee on Monday.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Mr. James drinks 21 cups of coffee each week (7 days). He drinks the same number of cups of coffee a day. On Monday, he was feeling a little sleepy, so he drank 2 extra cups of coffee. How many cups of coffee did he have on Monday?

Student Work

$$\begin{array}{r} 21 \\ + 2 \\ \hline 23 \end{array}$$

Mr. James had 23 cups of coffee on Monday.

What did the student do wrong? Why do you think the student made this error?

The student skipped the first step and did not divide the total cups of coffee drank in a week by the number of days in a week.

Solve the problem correctly. Explain your thinking.

Step 1: $21 \div 7 = 3$ cups of coffee

Step 2: $3 + 2 = 5$ cups of coffee in all

Solution: Mr. James had 5 cups of coffee on Monday.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Leo wants to buy a video game system that costs \$250. He has already saved \$201. He makes \$7 an hour pet sitting for his neighbor. How many hours will he need to work in order to save the rest of the money?

Student Work

Step 1: $250 - 201 = 49$

Step 2: $49 - 7 = 42$

Solution: Leo will need to work 42 more hours.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Leo wants to buy a video game system that costs \$250. He has already saved \$201. He makes \$7 an hour pet sitting for his neighbor. How many hours will he need to work in order to save the rest of the money?

Student Work

$$\text{Step 1: } 250 - 201 = 49$$

$$\text{Step 2: } 49 - 7 = 42$$

Solution: Leo will need to work 42 more hours.

What did the student do wrong? Why do you think the student made this error?

The student subtracted on Step 2 instead of dividing.

Solve the problem correctly. Explain your thinking.

Step 1: $250 - 201 = 49$ dollars that he still needs

Step 2: $49 \text{ dollars} \div 7 \text{ dollars per hour} = 7 \text{ hours left to work}$

Solution: Leo will need to work 7 more hours.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Jetta is baking dog biscuits for the local animal shelter. She makes 3 batches of biscuits. Each batch contains 8 biscuits. She lets her dog Nero eat 2 biscuits. How many biscuits does she have left?

Student Work

$$8 - 2 = 6$$

Solution: Jetta has 6 dog biscuits left.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Jetta is baking dog biscuits for the local animal shelter. She makes 3 batches of biscuits. Each batch contains 8 biscuits. She lets her dog Nero eat 2 biscuits. How many biscuits does she have left?

Student Work

$$8 - 2 = 6$$

Solution: Jetta has 6 dog biscuits left.

What did the student do wrong? Why do you think the student made this error?

The student did not multiply to find the total number of dog biscuits that Jetta made before subtracting.

Solve the problem correctly. Explain your thinking.

Step 1: $3 \times 8 = 24$ dog biscuits

Step 2: $24 - 2 = 22$ dog biscuits

Solution: Jetta has 22 dog biscuits left.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Ira is making friendship bracelets for his 3 best friends. He wants each bracelet to have 6 beads on it. He has 9 beads in his kit. How many more beads does he need?

Student WorkStep 1: $3 \times 6 = 18$ beads needed for the braceletsStep 2: $18 + 9 = 27$ beads in all

Solution: Ira has 27 beads in all.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Ira is making friendship bracelets for his 3 best friends. He wants each bracelet to have 6 beads on it. He has 9 beads in his kit. How many more beads does he need?

Student Work

Step 1: $3 \times 6 = 18$ beads needed for the bracelets

Step 2: $18 + 9 = 27$ beads in all

Solution: Ira has 27 beads in all.

What did the student do wrong? Why do you think the student made this error?

The student tried to find the total number of beads that Ira had, but the problem was asking for how many more beads he needed..

Solve the problem correctly. Explain your thinking.

Step 1: $3 \times 6 = 18$ beads needed for the bracelets

Step 2: $18 \text{ beads} - 9 \text{ beads} = 9 \text{ beads}$ that he still needs

Solution: Ira still needs 9 beads.

LEVEL 2 ERROR ANALYSIS MATH TASKS

In this level, there are six error analysis math tasks that involve all four operations (requiring multi-digit multiplication and division). These are ideal for mid to end of 4th grade or 5th grade students.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Alessio's recipe for berry jam calls for 12 ounces of blueberries and 24 ounces of strawberries per batch. He decides to make 7 batches of the jam to give to friends. How many ounces of berries will he need?

Student Work

$$\begin{array}{r} 12 \\ + 24 \\ \hline 36 \end{array}$$

Alessio will need 36 ounces of berries.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Alessio's recipe for berry jam calls for 12 ounces of blueberries and 24 ounces of strawberries per batch. He decides to make 7 batches of the jam to give to friends. How many ounces of berries will he need?

Student Work

$$\begin{array}{r} 12 \\ + 24 \\ \hline 36 \end{array}$$

Alessio will need 36 ounces of berries.

What did the student do wrong? Why do you think the student made this error?

The student skipped the step requiring Alessio to multiply the berries needed for one batch by seven.

Solve the problem correctly. Explain your thinking.

Step 1: $12 + 24 = 36$ ounces needed for one batch

Step 2: $7 \times 36 = 252$ ounces of berries needed for 7 batches

Solution: Alessio will need 252 ounces of berries to make 7 batches.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Astrid and Maci are collecting seashells at the beach. Astrid collects 12 shells. Maci collects 3 times as many shells as Astrid. Maci throws 8 of her shells back into the ocean because they are broken. How many shells does Maci have left?

Student WorkStep 1: $3 + 12 = 15$ shells that Maci collectedStep 2: $15 - 8 = 7$ shells left

Solution: Maci has 7 shells left.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Astrid and Maci are collecting seashells at the beach. Astrid collects 12 shells. Maci collects 3 times as many shells as Astrid. Maci throws 8 of her shells back into the ocean because they are broken. How many shells does Maci have left?

Student Work

Step 1: $3 + 12 = 15$ shells that Maci collected

Step 2: $15 - 8 = 7$ shells left

Solution: Maci has 7 shells left.

What did the student do wrong? Why do you think the student made this error?

The student incorrectly determined the amount of shells that Maci collected because he or she added instead of multiplying.

Solve the problem correctly. Explain your thinking.

Step 1: $3 \times 12 = 36$ shells that Maci collected

Step 2: $36 - 8 = 28$ shells left

Solution: Maci has 28 shells left.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

A group of teachers is making pancakes for a fundraiser. They make 356 pancakes with blueberries and 422 pancakes with chocolate chips. Each plate gets 2 pancakes. How many plates will they need?

Student Work

$$\begin{array}{r} 356 \\ + 422 \\ \hline 778 \end{array}$$

$$\begin{array}{r} \\ 778 \\ \times 2 \\ \hline 1,556 \end{array}$$

The teachers will need 1,556 plates.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

A group of teachers is making pancakes for a fundraiser. They make 356 pancakes with blueberries and 422 pancakes with chocolate chips. Each plate gets 2 pancakes. How many plates will they need?

Student Work

$$\begin{array}{r} 356 \\ + 422 \\ \hline 778 \end{array}$$

$$\begin{array}{r} \overset{1}{7} \overset{1}{7} 8 \\ \times \quad 2 \\ \hline 1,556 \end{array}$$

The teachers will need 1,556 plates.

What did the student do wrong? Why do you think the student made this error?

The student multiplied instead of dividing for Step 1.

Solve the problem correctly. Explain your thinking.

Step 1: $356 + 422 = 778$

Step 2: $778 \div 2 = 389$ plates needed

Solution: The teachers will need 389 plates.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

The Fake Flower Factory produces 9,475 fake flowers every day. The flowers get divided evenly into 5 giant bins. A worker takes 42 flowers out of the first bin to give his mother. How many flowers are left in that bin?

Student Work

$$\begin{array}{r} 9,475 \\ - \quad 42 \\ \hline 9,433 \end{array}$$

There are 9,433 flowers left in that bin.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

The Fake Flower Factory produces 9,475 fake flowers every day. The flowers get divided evenly into 5 giant bins. A worker takes 42 flowers out of the first bin to give his mother. How many flowers are left in that bin?

Student Work

$$\begin{array}{r} 9,475 \\ - \quad 42 \\ \hline 9,433 \end{array}$$

There are 9,433 flowers left in that bin.

What did the student do wrong? Why do you think the student made this error?

The student missed the step where the flowers were divided into bins before the 42 flowers were taken out.

Solve the problem correctly. Explain your thinking.

Step 1: $9,475 \div 5 = 1,895$
flowers in each bin

Step 2: $1,895 - 42 = 1,853$

Solution: There are 1,853
flowers left in that bin.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Dahlia is helping sort the items in her school's recycling bin. There are 528 items to be recycled. She has to remove 212 items because they are not recyclable. She takes what is left and sorts them equally into 4 different bins. How many items go into each bin?

Student WorkStep 1: $528 + 212 = 740$ itemsStep 2: $740 \div 4 = 185$ items

Solution: There are 185 items in each bin.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Find the Error

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Dahlia is helping sort the items in her school's recycling bin. There are 528 items to be recycled. She has to remove 212 items because they are not recyclable. She takes what is left and sorts them equally into 4 different bins. How many items go into each bin?

Student Work

Step 1: $528 + 212 = 740$ items

Step 2: $740 \div 4 = 185$ items

Solution: There are 185 items in each bin.

What did the student do wrong? Why do you think the student made this error?

The student added the items that needed to be removed instead of subtracting them.

Solve the problem correctly. Explain your thinking.

Step 1: $528 - 212 = 316$ items

Step 2: $316 \div 4 = 79$ items

Solution: There are 79 items in each bin.

Find the Error

Name: _____ Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Sal wants to start a lemonade stand. He will need 18 lemons to make enough lemonade. Lemons cost 33 cents each. He finds 25 cents under a couch cushion. How many more cents will he need to buy the lemons?

Student Work

Step 1: $18 + 33 = 51$ cents

Step 2: $51 - 25$ cents = 26 cents

Solution: Sal will need 26 more cents to buy the lemons.

What did the student do wrong? Why do you think the student made this error?

Solve the problem correctly. Explain your thinking.

Name: Answer Key Date: _____

Directions: Read the word problem. Analyze the student's work. Identify the error, and correctly solve the problem.

Sal wants to start a lemonade stand. He will need 18 lemons to make enough lemonade. Lemons cost 33 cents each. He finds 25 cents under a couch cushion. How many more cents will he need to buy the lemons?

Student Work

Step 1: $18 + 33 = 51$ cents

Step 2: $51 - 25$ cents = 26 cents

Solution: Sal will need 26 more cents to buy the lemons.

What did the student do wrong? Why do you think the student made this error?

The student added the 18 lemons to 33 cents instead of multiplying to determine the cost for all of the lemons.

Solve the problem correctly. Explain your thinking.

Step 1: $18 \times 33 = 594$ cents

Step 2: $594 - 25$ cents

Solution: Sal will need 568 more cents to buy the lemons.

This resource was created by Jennifer Findley, LLC.

- It **may** be printed and photocopied for single classroom use.
- It **may** be placed on secure learning management systems or platforms such as Canvas and Google Classroom. It may **NOT** be put in the Canvas Commons.
- It **may not** be put on the open, searchable, unsecure Internet, sold, or distributed in any other form.

Check out my store for more resources that are common core aligned.



Follow my blog for updates and freebies.

www.JenniferFindley.com

Thanks!
Jennifer Findley

