Estimation word problems

Elaine Murphy CWE

Steps to Estimating word problems

- ❖ Step 1: Choose the operation

- ❖ Step 2: Round the numbers to the smallest numbers highest place value

- ❖ Step 3: Solve the problem using the estimated numbers.

- ❖ Step 4: Check work using the real numbers.

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

10.34 =

8.99 =

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

Smallest number's highest place value ones place.

10.34 =

8.99 =

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

Smallest number's highest place value ones place.

10.34 =

8.99 =

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

Smallest number's highest place value ones place.

10.34 =

8.99 =

Greater than 5

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

Smallest number's highest place value ones place.

10.34 =

8.99 =

Greater than 5

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

less than 5

10.34 =

Smallest number's highest place value ones place.

8.99 =

Greater than 5

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

less than 5

$10.34 =$

Smallest number's highest place value ones place.

$8.99 =$

Greater than 5

My Turn

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 1: Choose Operation
+ He needs to add the numbers together in order to decide if he has enough money.

Step 2: Round numbers to smallest number's lowest place value

less than 5

$10.34 =$ $10.00

Smallest number's highest place value ones place.

$8.99 =$ $9.00

Greater than 5

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 3: Solve the Problem   10.00

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 3: Solve the Problem   10.00

                                                              +9.00

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 3: Solve the Problem

$$
\begin{array}{r}
10.00 \\
+9.00 \\
\hline
19.00
\end{array}
$$

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 3: Solve the Problem

$$
\begin{array}{r}
10.00 \\
+9.00 \\
\hline
19.00
\end{array}
$$

He will have enough money to buy everything.

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 3: Solve the Problem

$$\begin{array}{r} 10.00 \\ +9.00 \\ \hline 19.00 \end{array}$$

He will have enough money to buy everything.

Step 4: Check using the real numbers.

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 3: Solve the Problem

$$
\begin{array}{r}
10.00 \\
+9.00 \\
\hline
19.00
\end{array}
$$

He will have enough money to buy everything.

Step 4: Check using the real numbers.

10.34

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 3: Solve the Problem

$$
\begin{array}{r}
10.00 \\
+9.00 \\
\hline
19.00
\end{array}
$$

He will have enough money to buy everything.

Step 4: Check using the real numbers.

$$
\begin{array}{r}
10.34 \\
+8.99 \\
\hline
\end{array}
$$

My Turn Continued

Sam had $20 to spend at Target. He bought a move for 10.34 and a T-shirt for 8.99. Does he have enough money for both items?

Step 3: Solve the Problem   10.00

+9.00

19.00

He will have enough money to buy everything.

Step 4: Check using the real numbers.

10.34

+8.99

19.33   Sam still has enough money to buy the items he wants.

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value   24.67 =

121.56 =

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value

24.67 =

Smallest number's highest place value ones place.

121.56 =

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value   24.67 =

Smallest number's
highest place value
ones place.   121.56 =

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value

24.67 =

Smallest number's highest place value ones place.

121.56 =

Less than 5

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value   24.67 =

Smallest number's
highest place value
ones place.   121.56 =

Less than 5

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value

less than 5

24.67 =

Smallest number's highest place value ones place.

121.56 =

Less than 5

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value

less than 5

24.67 =

Smallest number's highest place value ones place.

121.56 =

Less than 5

Together

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 1: Choose Operation
+ and -Susan needs to first add up her purchases and then subtract from the $250.00

Step 2: Round numbers to smallest number's lowest place value

less than 5

24.67 = $20.00

Smallest number's highest place value ones place.

121.56 = $120.00

Less than 5

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem   20.00

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem   20.00

+ 120.00

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem   20.00

                                         + 120.00

                                           140.00

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem   20.00

$$\begin{array}{r} 20.00 \\ +\ 120.00 \\ \hline 140.00 \end{array}$$

She will have $110.00 to buy lunch.

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem

```
   20.00
+ 120.00
  140.00
```

```
  250.00
- 140.00
  110.00
```

She will have $110.00 to buy lunch.

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem

$$\begin{array}{r} 20.00 \\ +\ 120.00 \\ \hline 140.00 \end{array}$$

$$\begin{array}{r} 250.00 \\ -140.00 \\ \hline 110.00 \end{array}$$

She will have $110.00 to buy lunch.

Step 4: Check using the real numbers.

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem

$$\begin{array}{r} 20.00 \\ + \ 120.00 \\ \hline 140.00 \end{array}$$

$$\begin{array}{r} 250.00 \\ -140.00 \\ \hline 110.00 \end{array}$$

She will have $110.00 to buy lunch.

Step 4: Check using the real numbers.

24.67   250.00   She has $104.77 to buy lunch

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem

$$20.00$$
$$+ 120.00$$
$$140.00$$

$$250.00$$
$$-140.00$$
$$110.00$$

She will have $110.00 to buy lunch.

Step 4: Check using the real numbers.

$$24.67$$
$$+120.56$$

$$250.00$$
$$- 145.23$$

She has $104.77 to buy lunch

My Turn Continued

Susan had $250.00 dollars to spend at the Mall. Her total at Old Navy was 24.67 and for Limited Too it was 121.56. How much money did she have left over in order to buy lunch?

Step 3: Solve the Problem

$$20.00 + 120.00 = 140.00$$

$$250.00 - 140.00 = 110.00$$

She will have $110.00 to buy lunch.

Step 4: Check using the real numbers.

$$24.67 + 120.56 = 145.23$$

$$250.00 - 145.23 = 104.77$$

She has $104.77 to buy lunch

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation
+ We want to find out how much pizza Tommy ate altogether.

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation
+ We want to find out how much pizza Tommy ate altogether.

Step 2: Round numbers to smallest number's lowest place value with fractions we want to draw pictures. We want to decide if it is less than 1/2 or larger to 1/2

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation
+ We want to find out how much pizza Tommy ate altogether.

Step 2: Round numbers to smallest number's lowest place value with fractions we want to draw pictures. We want to decide if it is less than 1/2 or larger to 1/2
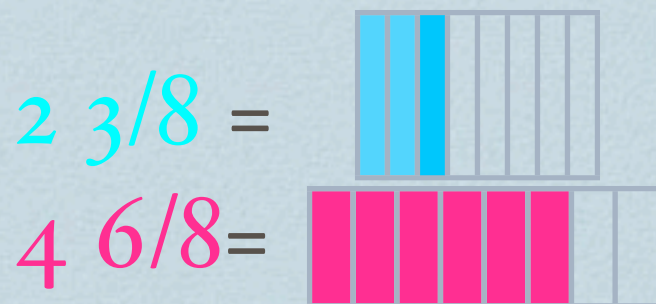
2 3/8 =

4 6/8=

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation
+ We want to find out how much pizza Tommy ate altogether.

Step 2: Round numbers to smallest number's lowest place value with fractions we want to draw pictures. We want to decide if it is less than 1/2 or larger to 1/2
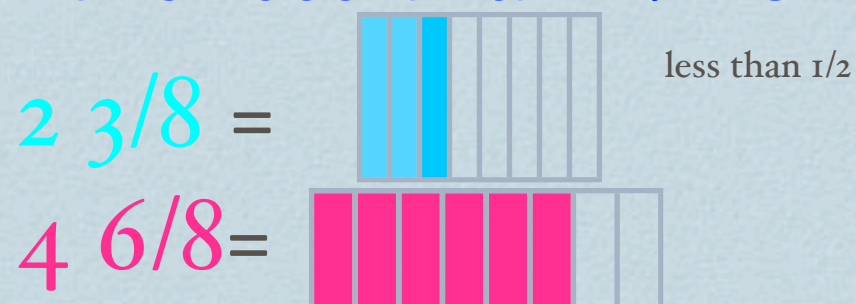
2 3/8 =

4 6/8=

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation
+ We want to find out how much pizza Tommy ate altogether.

Step 2: Round numbers to smallest number's lowest place value with fractions we want to draw pictures. We want to decide if it is less than 1/2 or larger to 1/2

2 3/8 =

4 6/8=

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation
+ We want to find out how much pizza Tommy ate altogether.

Step 2: Round numbers to smallest number's lowest place value with fractions we want to draw pictures. We want to decide if it is less than 1/2 or larger to 1/2

2 3/8 =   less than 1/2

4 6/8=

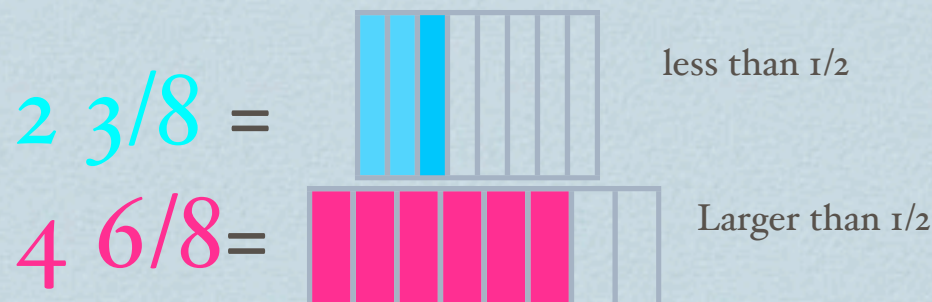# One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation
+ We want to find out how much pizza Tommy ate altogether.

Step 2: Round numbers to smallest number's lowest place value with fractions we want to draw pictures. We want to decide if it is less than 1/2 or larger to 1/2

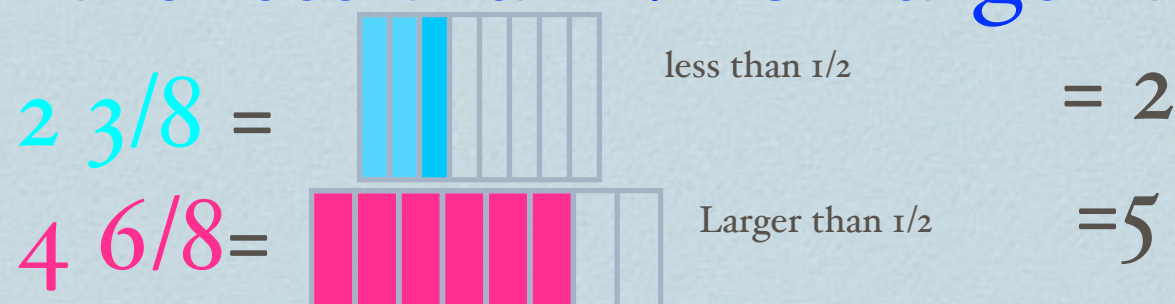2 3/8 =   less than 1/2

4 6/8=   Larger than 1/2

One More together

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 1: Choose Operation
+ We want to find out how much pizza Tommy ate altogether.

Step 2: Round numbers to smallest number's lowest place value with fractions we want to draw pictures. We want to decide if it is less than 1/2 or larger to 1/2

2 3/8 =   less than 1/2   = 2

4 6/8 =   Larger than 1/2   = 5

My Turn Continued

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

My Turn Continued

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 3: Solve the Problem   2

My Turn Continued

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 3: Solve the Problem   2

   + 5

My Turn Continued

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 3: Solve the Problem

$$2$$
$$\underline{+\ 5}$$
$$7$$

My Turn Continued

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 3: Solve the Problem

$$2$$
$$\underline{+\ 5}$$
$$7$$

He ate about 7 whole pizzas.

My Turn Continued

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 3: Solve the Problem

$$2$$
$$\underline{+\ 5}$$
$$7$$

He ate about 7 whole pizzas.

Step 4: Check using the real numbers.

My Turn Continued

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 3: Solve the Problem   2

                           + 5

                            7

He ate about 7 whole pizzas.

Step 4: Check using the real numbers.

My Turn Continued

Tommy had 2 3/8 of a pepperoni pizza and 4 6/8 of the cheese pizza. How much pizza did he eat altogether?

Step 3: Solve the Problem
$$\begin{array}{r} 2 \\ + 5 \\ \hline 7 \end{array}$$
He ate about 7 whole pizzas.

Step 4: Check using the real numbers.

2 3/8 + 4 6/8 = 7 1/8

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 1: Choose Operation

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 1: Choose Operation
x because you want to find the total number of cups needed to make 15 pizzas.

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 1: Choose Operation
x because you want to find the total number of cups needed to make 15 pizzas.

Step 2: Round numbers to smallest number's lowest place value

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 1: Choose Operation
x because you want to find the total number of cups needed to make 15 pizzas.

Step 2: Round numbers to smallest number's lowest place value
15=

3 =

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 1: Choose Operation
x because you want to find the total number of cups needed to make 15 pizzas.

Step 2: Round numbers to smallest number's lowest place value

more than 5

15=

3 =

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 1: Choose Operation
x because you want to find the total number of cups needed to make 15 pizzas.

Step 2: Round numbers to smallest number's lowest place value

more than 5

15=

3 =

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 1: Choose Operation
x because you want to find the total number of cups needed to make 15 pizzas.

Step 2: Round numbers to smallest number's lowest place value

more than 5

15=   20

3 =   3

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 3: Solve the Problem 20

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 3: Solve the Problem 20

$$\underline{\times \ 3}$$

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 3: Solve the Problem

$$\begin{array}{r} 20 \\ \times\ 3 \\ \hline 60 \end{array}$$

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 3: Solve the Problem
$$\begin{array}{r} 20 \\ \underline{\times\ 3} \\ 60 \end{array}$$

She will need about 60 cups of sauce.

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 3: Solve the Problem $\quad$ 20

$$\begin{array}{r} 20 \\ \underline{\times\ 3} \\ 60 \end{array}$$

She will need about 60 cups of sauce.

Step 4: Check using the real numbers.

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 3: Solve the Problem

$$\begin{array}{r} 20 \\ \underline{\times\ 3} \\ 60 \end{array}$$

She will need about 60 cups of sauce.

Step 4: Check using the real numbers.

15

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 3: Solve the Problem   20

$$\frac{\times 3}{60}$$

She will need about 60 cups of sauce.

Step 4: Check using the real numbers.

15

$\underline{\times 3}$

Together

Samantha baked 15 pizzas. She uses 3 cups of tomato sauce for each pizza. Estimate how much sauce she will need to bake all of the pizzas.

Step 3: Solve the Problem

$$\begin{array}{r} 20 \\ \underline{\times\ 3} \\ 60 \end{array}$$

She will need about 60 cups of sauce.

Step 4: Check using the real numbers.

$$\begin{array}{r} 15 \\ \underline{\times\ 3} \\ 45 \end{array}$$

Shoulder Partners

Thomas wanted to get a new bike. The bike cost $149.95. As he walked to the bike section he found a helmet for 19.95 a light for 6.98 and a new lock for 12.00. How much money did he spend at Target that day?

Shoulder Partner

John ate 1 2/3 bag of potato chips and then ate 2 1/4 bag of carrots. How many more bags of carrots did John eat then potato chips?

Closure

❖ Write the four steps to solve estimation word problems.