

## **WORD PROBLEMS**

with a summer theme



1. Sarah has a large family, and they are all coming to celebrate. She wants each family member to be able to have a slice of her famous apple pie. If there are 12 men, 15 women, and 25 kids coming and there are eight slices in each pie, how many pies should she make.

Don't forget to include an equation, model, a written explanation and answer for your problem.

2. Derek is planning for the company picnic. The meat comes in packages of exactly 3lbs. He knows that he can make 6 hamburgers for every pound of meat. If he needs to make 80 hamburgers, how many packages of meat does he need to buy?

3. There will be cupcakes at the parade for the kids. Two box of cupcake mix makes 20 cupcakes. If each pan makes 12 cupcakes, how many boxes of cupcake mixes will be needed to make 5 pans of cupcakes?

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4. Derek is planning for the company picnic and needs to buy 80 hamburger buns. One package has 8 buns and costs \$1.60. Another package costs \$1.90 but has 10 buns. Which package should he buy??? Why?

5. A large watermelon cost \$6 and Briella can get 12 slices of watermelon out of it. She only wants to spend 40 dollars on watermelon. Can she have enough slices for 80 people with that budget?

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6. Mona is shucking corn for dinner. It takes her 2 minutes to shuck one ear of corn. Then it takes the corn 45 minutes to cook. If she needs 35 ears of corn ready by 5:30, what time should she start to shuck the corn.

7. A city wants to put out 156 pinwheels on one side of the street and 156 pinwheels on the other side of the street. They want to make blue, red, and white pinwheels. If they want to have the same amount for each color, how many white ones will there be?

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8. A parade is going to have a large section of people dressed up as Uncle Sam. There will be 15 rows with 8 people in each row. How many girls are marching in the parade if half of them are girls?



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9. America's first Independence Day was July 4<sup>th</sup>, 1776. If a decade is 10 years, how many decades ago was our first Independence Day.

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10. It cost \$2 for every firework that is shot off on the  $4^{th}$  of July. If 40 are set off every minute for nine minutes, and 100 are set off in the last minute...how much would it cost to put on a 10 minute show?

## Answer Key

- 1. 7 pies
- 2. 5 packages
- 3. 6 boxes
- 4. The package that has 10...the buns are one cent cheaper and you would save 80 cents.
- 5. No, she needs 42 dollars
- 6. 3:35
- 7. 104
- 8. 60
- 9. 2016 makes 24 decades
- 10. 920 dollars

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