

Mixed word problems

Grade 4 Word Problems Worksheet

Mrs. Carson is preparing a birthday party for her son, Matthew. Matthew and his two brothers also help with the preparations.

1. Matthew invited 11 children from school and 6 children from the neighbourhood. Including Matthew and his two brothers, how many children will be at the party?

2. Matthew and his two brothers helped to decorate the house for the party. Each of them blows 12 balloons. But 5 balloons pop. How many balloons do they have for decoration?

3. Each paper cup can hold 6 oz of juice. If Mrs. Carson wants to have a cup of juice for each child, how many gallons of juice does she need to buy?
Hint: 16 ounces = 2 cups = 1 pint
2 pints = 1 quart
4 quarts = 1 gallon



4. Mrs. Carson plans to have $\frac{1}{8}$ of a pie for each child at the party. How many pies does she needs to prepare?
5. Each pie takes 35 minutes to bake but Mrs. Carson's oven is so small she can only fit one pie at a time. The party starts at 3:00 p.m. When is the latest time for Mrs. Carson to start baking?

Answers

- $11 + 6 + 3 = 20$
There will be 20 children at the party.
- $12 \times 3 - 5 = 31$
They have 31 balloons to use for decoration.
- $6 \text{ oz} \times 20 = 120 \text{ oz}$
They need 120 oz of juice.
1 gallon = 4 quarts = 8 pints = 128 ounces
 $128 > 120$
Mrs. Carson only needs to buy 1 gallon of juice.
- $\frac{1}{8} \times 20 = \frac{20}{8} = \frac{5}{2} = 2\frac{1}{2}$
 $2\frac{1}{2}$ is between 2 and 3.
Mrs. Carson needs to prepare 3 pies.
- $3 \times 35 = 105$
105 minutes = 1 hour and 45 minutes
It will take 1 hour and 45 minutes to cook all 3 pies.
She needs to start baking at 1:15 p.m. to finish all the pies by 3 p.m.