



## The Paint Job

### General Instructions:

This Task has three Parts: **Part 1** has one question; **Part 2** has two questions and **Part 3** has three questions.



The 4H club at Kenilworth Prep School is planning a Labour Day activity. Emily and the rest of her club members plan to paint the walls of the community center in Elgin Town as a way of giving back.

They had a walkathon and raised enough money to buy all the paints they needed. They bought five buckets of paint altogether: red, blue, yellow, green and white.

The plan is to paint the walls of first floor then, the walls of the second floor.



**Part 1**

1. There are 16 walls on the first floor of the community center and 24 walls on the second floor. Emily, Shadean, Carrise, Rockcliffe and Anthoneil will paint all the walls. What is the greatest common factor of these two numbers?

**Part 2**

2. Shyann will paint  $\frac{2}{5}$  of the walls on the first floor and Adonie will paint  $\frac{7}{9}$  of the walls on the second floor green. Rename these two fractions with common denominators. Show your work.



3. Amyca uses  $22/6$  buckets of yellow paint for the walls on the first floor.
- ✓ What type of fraction is  $22/6$ ?
  - ✓ Write it as a mixed number in its simplest form. Show how you arrived at your answer.

**Part 3**

Show your work for each of the following questions.

4. Leon used up part of 2 buckets of blue paint, painting the first floor. He used  $8/12$  of one bucket and  $3/6$  of the other bucket. How many buckets of blue paint did Leon use in all?



5. When crystal and Lemar finished painting their portion of the first floor, they have also used part of 2 buckets of white paint. They used  $\frac{5}{6}$  of one bucket and  $\frac{6}{8}$  of the other bucket. How many buckets of white paint did they use altogether?

6. How many buckets of red and white paint in total did Emily use? If she used a total of  $7\frac{23}{12}$  buckets of white paint and  $\frac{11}{15}$  buckets of red paint.