

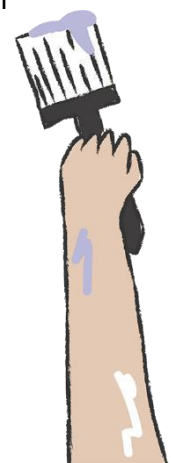
Fraction word problems (unit fraction)

Grade 5 Word Problems Worksheet

1. The painter used $\frac{1}{5}$ of a gallon of gray paint and $\frac{2}{11}$ of a gallon of white paint to cover one panel of concrete fence. If there are 8 gallons of gray paint available, is there enough gray paint to 38 panels of concrete fence?

2. Thelma used $\frac{2}{3}$ of a bottle of glitter and $\frac{3}{4}$ of a liter of paint to cover 5 large size Christmas balls. How much glitter will be used for the other 12 Christmas balls?

3. To achieve shinier paintings, Vilma applied $\frac{2}{5}$ of a liter of a gloss varnish to her large size canvas painting of a garden. If there were 4 liters of gloss varnish in the varnish can, is there enough gloss varnish for her 11 other same-size paintings?



Answers

- $8 \div \frac{1}{5} = 40$
8 gallons of gray paint is enough for 40 panels of concrete fence.
There is enough gray paint for 38 panels of concrete fence.
- $(\frac{2}{3} \div 5) \times 12 = \frac{8}{5}$ or $1 \frac{3}{5}$
 $1 \frac{3}{5}$ bottles of glitter will be used for 12 Christmas balls.
- $4 \div \frac{2}{5} = 10$
4 liters of gloss varnish can cover 10 large paintings.
4 liters of gloss varnish is not enough for 11 large paintings.
- $\frac{4}{5} \div 12 = \frac{1}{15}$
 $\frac{1}{15}$ of a container of green ink was used for each tarpaulin.
- $\frac{6}{7} \div 4 = \frac{3}{14}$
 $\frac{3}{14}$ of the painting was finished after an hour.
 $\frac{3}{14} \times 3 = \frac{9}{14}$
 $\frac{9}{14}$ of the painting was finished after 3 hours.
- $120 \div \frac{3}{5} = 200$
The champion received \$200 worth of painting materials.