

Fraction word problems (unit fraction)

Grade 5 Word Problems Worksheet

1. Seamstress Jamie is making uniforms for a well-known company. She used 4 packs of buttons and 2 bolts of cloth for the uniforms she sewed and had nothing left over. If each set of uniform is made with $\frac{1}{20}$ packs of buttons, how many uniforms did she sew?

2. Shane has 21 meters of yellow ribbon and 42 meters of lace. For hat-making, she wants to cut the yellow ribbon into smaller pieces measuring $\frac{3}{7}$ meters each. How many smaller ribbons will she have?

3. She used $\frac{1}{3}$ of a package of sequins and $\frac{4}{5}$ spools of sewing thread to make 4 long gowns. If she uses the same measurements to make 7 long gowns, how many packages of sequins will she need?



4. Her assistant can sew 5 identical pairs of pants in $\frac{1}{4}$ of a day. How long would her assistant take to sew 1 pair? Using the same rate, how long would her assistant take to sew 12 identical pairs of pants?
5. Francine used $\frac{5}{7}$ meters of yarn to string one notebook. If she has 70 meters of yarn, how many notebooks can she string?
6. Shelby used $\frac{3}{4}$ of a lace roll for her bulk order of skirts. The next day, she used all the remaining lace to make 8 identical dresses she designed. How much of the lace roll was used for each dress?

Answers

1. $4 \div \frac{1}{20} = 80$

She made 80 uniforms.

2. $21 \div \frac{3}{7} = 49$

She can have 49 smaller pieces of yellow ribbon.

3. $\frac{1}{3} \div 4 \times 7 = \frac{7}{12}$

She needs $\frac{7}{12}$ pack of sequins for 7 long gowns.

4. $\frac{1}{4} \div 5 = \frac{1}{20}$

It takes $\frac{1}{20}$ day to sew 1 pair of pants.

$$\frac{1}{20} \times 12 = \frac{3}{5}$$

Her assistant can sew 12 identical pairs in $\frac{3}{5}$ of a day.

5. $70 \div \frac{5}{7} = 98$

She can string 98 notebooks from 70 m of yarn.

6. $(1 - \frac{3}{4}) \div 8 = \frac{1}{4} \div 8 = \frac{1}{32}$

She used $\frac{1}{32}$ of the lace roll for each dress.