

Operations with Fractions and Decimals

Solve.

1. Sandy makes linen scarves that are $\frac{7}{8}$ of a yard long. How many scarves can she make from 156 feet of fabric?

3. Four friends split equally a lunch bill of \$36.96 plus 20% tip. How much did each person pay?

5. In January, Gene watched 5 movies. Their lengths are shown in the table. How many hours did Gene spend watching movies? _____

What was the average length of a movie in hours? _____

Which movies were longer than the average? _____

6. Derrick's garden is $18\frac{1}{2}$ feet long. He plants bulbs $\frac{3}{8}$ of a foot apart. How many bulbs can Derrick plant in one row?

Derrick plants three rows of bulbs that cost \$0.79 each.

How much does he spend on bulbs? _____

7. Yin's cellphone plan costs \$30 a month. She used 12.5 hours in May.

What was her cost per minute? _____

Yin's average call lasted 3.25 minutes. How much did an average call cost? _____

About how many calls did Yin make in May? _____

2. A small rug is 36 inches long. Its width is $\frac{2}{3}$ of its length. What is the width of the rug in feet?

4. Jade spent \$37.60 on groceries. $\frac{4}{5}$ of that total was spent on vegetables. How much was spent on other items?

Movie	Length (min)
A	147.8
B	119.7
C	156.4
D	158.3
E	112.9