

Fractions - Word Problems

Worksheet 1

Answer each of the following questions without a calculator. **Answer Key & More Worksheets** can be found by scanning the **QR Code**, or by clicking on the <u>RadfordMathematics.com</u> **link in the Header**. File Name: Answer Key: Fractions - Word Problems - WS 1 - MS

Question 1

A shopping center has 60 cars parked around it, which is $\frac{2}{3}$ of the total number of cars that can

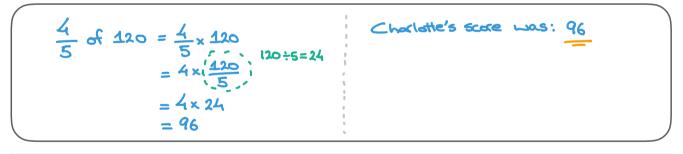
park around it.

What is the total number of cars that can park around the shopping center?

Let X be the total number of cars. We now solve ; 2X = 180Then $\frac{2}{2}$ of X = 60, so: +2 < = 90 $\frac{2}{3} \cdot X = 60$ 2X = 3×60 2×=60 2x = 180

Question 2

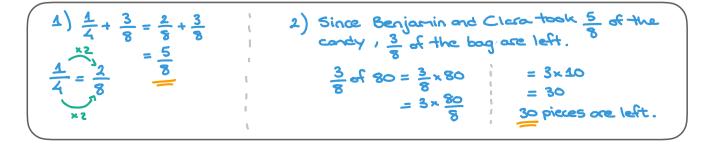
The maximum number of points available at a test is 120. Charlotte obtained $\frac{4}{5}$ of the total number of points available. What was her score?



Question 3

A bag contains 80 pieces of candy. Benjamin takes $\frac{1}{4}$ of them and Clara takes $\frac{3}{8}$.

- 1. What fraction of candy was taken from the bag?
- 2. How many pieces of candy are left in the bag?



Question 4

Sarah spent $\frac{3}{4}$ of her time at the park reading.

She spent 120 minutes (2 hours) reading, how much time (in minutes) did she spend in the park?

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Let T be the testal amount of time she spent at the pack.

\frac{3}{4} \text{ of } T = 120 \qquad \frac{3T}{4} = 120 \qquad T = \frac{480}{3} \qquad \text{Sorah spent 160mins}
\frac{3}{4} \text{ at } = 480 \qquad T = 480 \qquad \text{at the pack.}
\frac{3T}{4} = 120 \qquad T = \frac{480}{3} \qquad \text{T} = \frac{480}{3}
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Question 5

John weighed 81kg. After months of dieting and lots of sport he lost $\frac{1}{Q}$ of his weight.

- 1. How much weight did John lose?
- 2. What is his new weight?

