Fractions, Decimals, and Percents Word Problems





Section A. Non-calculator

Which is the biggest number in each set? Circle your answer.

a) 0.25 or $\frac{3}{7}$ b) $\frac{2}{3}$ or 66%

c) 95% or $\frac{17}{200}$ or 0.099

Which of the following numbers have the same value as...

77%

0.7

0.07

70%

70

7%

b) 9.5%

0.0095

0.95

0.095

95 100 9 5 40

19 200

- 3) Miriam, Nina, and Elio all sat the same test. Miriam answered approximately $\frac{2}{3}$ correct. Nina got a score of 18 out of 25. Elio scored 68%. Compare their test results by putting them in order of lowest to highest score. Show how you get your answer.
- 4) Oscar, Ivy and Lewis all receive the same student loan payments. From one student loan payment, Oscar spends 73% of theirs on rent. Ivy saves ½ and spends the rest on rent. The amount Lewis spends of his rent: the amount he keeps is = 4:1. Which student spends the most on rent? Show how you get your answer.

Section B. Calculator

A father gives pocket money to his three children. Abdi gets 60¢ each week. Batul gets \$6 every other week and Careem gets \$20 every month (every 4 weeks).

How much does Abdi get as a fraction of the total pocket money given each month?

After a year the father increases the amount Batul gets so that it is the same as what Careem gets each month.

- ii) What percentage has Batul's pocket money increased by?
- iii) After Batul's increase, the children receive 0.0208 of the amount their father earns each month (every 4 weeks). How much does their father earn each month?

Word Problems With Decimals Fractions And Percents

Mark Zegarelli

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