Splutions. Name: (print)

Each problem is worth 2 points. Show all your work.

1. Calculate mentally and give a brief "teacher's solution":

200+330=530.

(b) 37×4

$$= (30+7) \times 4$$
$$= 120+28 = 148.$$

(c) 197 + 568

= (197+3)+ (568-3)

= 200 + 565

= 765

(c) $1575 \div 25$

= 40 + 20 + 3 = 63

 $= 3150 \div 50 = 315 \div 5$

= (300+15) + 5 = 60+3

2. Make up a word problem for the following operation:

partitive division of $91 \div 5$.

If it not evenly divisible by 5, so not every formulation would make sense.

Here are a few that are OK:

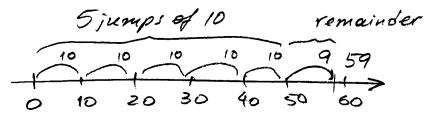
91 balloons are to be divided among 5 children so that each child gets an equal number of balloons. How many balloons will each Child get? Will there be any balloons that once left over?

5 randy bors weigh 91 grams. How much does each candy bor weigh? Please turn over...

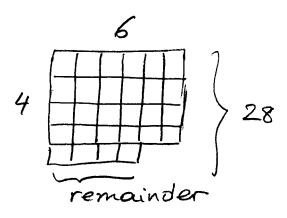
[problem à valid But theauswer is a fraction.]

3. Illustrate the Quotient-Remainder Theorem:

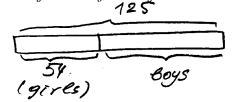
(a) by a number line picture for $59 \div 10$



(b) by a rectangular array for $28 \div 6$.



4. Give a "teacher's solution" to the problem using bar diagrams and step-by step instructions: 125 children took part in a mathematics competition. 54 of them were girls. How many more boys than girls were there?



Answer! There were 17 more boys.

OR:

