Maths Accelerator Centre

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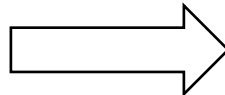
Pri 5/ Pri 6 : Problem Sum Mini Course

Term 3 Lesson 1

1. Strategy 1: Comparison Model
2. Strategy 2: Excess and shortage
3. Higher Order Trending Questions

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Pri 6 : Prelim Revision Master-Class

Pri4/Pri 5 : WA3 Revision Master-Class

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Strategy 1: Comparison Model (Start at the Beginning)

1. At a party, there were an equal number of boys and girls at first. Halfway during the party, 8 boys left the party and 4 girls joined the party. In the end there were thrice as many girls as boys. How many boys were there at the party at first?

2. Ron and Ken had the same number of cards at first. After Ron and Ken lost 36 and 6 cards respectively, Ken had thrice as many cards as Ron. How many cards did each of them have at first? (Beginning)

Strategy 2: Excess and Shortage

1. Mrs Kumar bought some sweets for a group of children.
   When she gave them 4 sweets each, there are 10 sweets left.

   When she gave them 10 sweets each, she is short of 20.

   How many children are there?

2. Mrs Tan bought some stickers for her pupils. If she gives each pupil 3 stickers, she will have 18 stickers left. If she gives each pupil 5 stickers, she will be short of 30 stickers.

   How many pupils are there in her class?

Trending Problem Sums

1. Mr Jaya spent a total of $4200 buying some headphones and speakers for his shop. He bought 40 more headphones than speakers. A headphone cost $30 each and a speaker cost $20 each.

   How many headphones did he buy altogether?

   (Heuristics : Comparison Model) SCGS/P5

Headphone
$30 each

Speaker
$20 each

2.   A packet of sugar weighs 1.6 kg. A packet of rice weighs 1.8 kg more than a packet of sugar. A shopkeeper has 24 more packets of sugar than rice. How many packets of sugar does he have if the total mass of sugar and rice is 278.4 kg?

ACSJ/P6

3. In a bookshop, pencils are only sold in boxes. A box of 6 short pencils cost $2.20 and a box of 5 long pencils cost $3.70.

    (a) Rachel wants to buy 13 short pencils and 3 long pencils. What is the least amount of money that she will need to spend on the pencils?

    (b) Sam bought the same number of short and long pencils. What is the least amount of money that he will have to spend, if he has more than 100 short and long pencils altogether?

    (Heuristics: Grouping) TKPS/P6