



Maths Accelerator Centre

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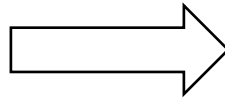
Pri 5 : Problem Sum Mini Course

Term 4 Lesson 3

1. Strategy : Heuristics
2. Higher Order Trending Questions

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Upcoming Events

Pri4/Pri 5 : SA2 Revision Booster Class

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Class Schedule & Fees

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Strategy :

Strategy 2: Single Unchanged

1. A box contained some red and blue marbles in the ratio 2 : 5.
After 30 blue marbles were added to the box, the ratio became 3 : 8.
Find the number of red marbles in the box.

2. The ratio of a group of girls to boys in a hall was 2 : 3.
After 21 girls joined the group, the ratio became 5 : 4.
Find the number of boys in the hall.

Trending Questions

1. The number of fiction books at a library was $\frac{3}{4}$ of the total number of books.

After 594 fiction books were given away, the number of fiction books left

became $\frac{3}{5}$ of the total number of books.

How many books were there at the library at first?

2. A pair of pants cost \$ 22.70 more than a shirt and 4 times as much as a tie.

The total cost of the 3 items is \$ 100.60.

- a. Find the cost of a tie.
- b. Find the cost of a shirt.

KCPS/SA2

3. Ben and Ken shared some money.

Ben had $\frac{4}{5}$ of Ken's share at first.

After Ben gave Ken \$13, Ben had $\frac{3}{7}$ of the money in the end.

- a. How much money did Ben have in the end?
- b. How much money did Ben and Ken have at first?

4. Mr Ong hired a gardener and paid him \$ 65 for a day of work. After a few days, he hired an odd-job worker to replace the gardener and paid him \$ 50 for a day of work.
- a. If Mr Ong paid a total of \$ 1090 for 20 days of work, how many days did the odd-job worker work for Mr Ong?
 - b. If Mr Ong hired the odd job-worker for \$ 60 a day instead, how much more must he pay for the 20 days of work?

CHIJ-K/SA2