

Maths Accelerator Centre

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Pri 4: Problem Sum Mini Course

Term 3 Lesson 2

- 1. Strategy 1: Find the hidden container
- 2. Trending Problem Sums

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Pri4/Pri 5: WA3 Revision Master-Class

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Find The Hidden Container

- 1. A box with 24 identical mugs is 1800 g. When some of the mugs are removed, the mass of the box with the remaining 14 mugs is 1300 g.
 - a) What is the mass of each identical mug?
 - b) What is the mass of the empty box?

- 2. The mass of a container with 36 metal balls is 960 g. When 20 metal balls are removed, the mass of the container with the remaining metal balls is 760 g.
 - a) What is the mass of each metal ball?
 - b) What is the mass of the empty container?

3. A jug filled with water has a mass of 1400 g. When $\frac{2}{3}$ of the water is poured out, the mass of the jug and the remaining water is 1 kg. What is the mass of the jug?

Trending Problem Sums

Raina had a basket of 75 mangoes. She used 22 mangoes for cakes and sold some mangoes. She was left with $\frac{3}{5}$ of the number of mangoes she had at first. How many mangoes did she self?

CHS/21

Jill saves \$612. CHIJ/21
 She saves six times as much as her brother, Tom.
 How much must she give Tom so that both of them have an equal amount of money?

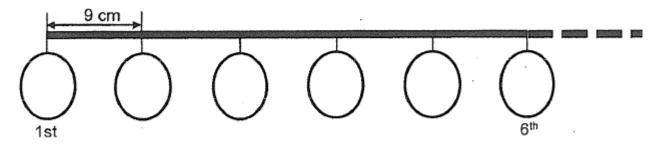
Tim had a box of blue and red marbles.

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- $\frac{5}{12}$ of the marbles were blue.
- (a) What fraction of the marbles were red?
- (b) There were 34 fewer blue marbles than red marbles. How many marbles did Tim have altogether?

4. Mary had a ribbon of 150.3 cm long. She tied some balloons on the ribbon. Part of the ribbon and balloons were shown as below. Each balloon was 9 cm apart from one another.

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- (a) What is the length of the ribbon between the 2nd and 10th balloon?
- (b) Find the most number of balloons that could be tied on the 150.3 cm of ribbon with balloons at 9 cm apart from one another.