ADDITION & SUBTRACTION

01 A teacher gave 4 chocolates to each students in his class and had no chocolate left. If there had been 100 more chocolates, the pupils would have received 6 chocolates each and there would be 22 chocolates left. How many chocolates did the teacher have at first ?

With (100 − 22 =) 78 chocolates, each pupil would have received (6 − 4 =) 2 more chocolates

Number of pupils → 78 ÷ 2 = 39

39 × 4 = 156

The teacher had 156 chocolates at first

02 There are 2389 coins in container A and 2531 coins in container B. How many coins must be moved from container B to container A so that there will be 120 more coins in container B than in container A ?

    A   **B**

2389 + 2531 = 4920

4920 + 120 = 5040

2 units = 5040

1 unit = 5040 ÷ 2 = 2520

2531 − 2520 = 11

11 coins must be moved from container B to container A

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03

Mohan and Chandana had 1163 stickers altogether. If Mohan received another 250 stickers from her mother and Chandana used up half of her stickers, they would have the same number of stickers. How many stickers did Mohan have at first ?

Mohan   **?**

Chandana   **250**   **250**   } **1163**

$1163 - 250 - 250 = 663$
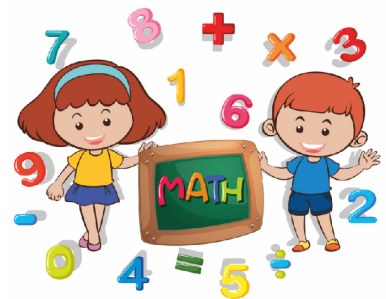
3 units = 663

1 unit = $663 \div 3 = 221$

04

Two numbers when rounded to the nearest hundred are equal to 300. Find the difference between the greatest possible value and smallest possible value of these two numbers.

(A) 99

(B) 250

(C) 349

(D) 201

Smallest number when rounded to the nearest hundred is 300 = 250

Greatest number when rounded to the nearest hundred is 300 = 349

Difference between the smallest and greatest number

$= 349 - 250 = 99$

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05

In a science quiz, the pupils had to answer 30 questions. For every correct answer given, 3 points will be awarded but for every wrong answer given, 1 point will be deducted. If Dinesh answered all the questions and scored 66 points, how many questions did he answer correctly ?

Number of questions answered correctly	Number of questions answered wrongly	POINTS
30	0	$30 \times 3 = 90$
29	1	$29 \times 3 - 1 = 86$
28	2	$28 \times 3 - 2 = 82$
...	...	...

-4

-4

Dinesh scored 4 points lesser for every one more question answered wrongly.

$90 - 66 = 24$; $24 \div 4 = 6$; $30 - 6 = 24$

Dinesh answered 24 questions correctly

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06

An ice cream man sold 2635 ice creams on Monday. He sold twice as many ice creams on Tuesday than on Monday. He sold 1271 fewer ice creams on Wednesday than on Tuesday. How many ice creams did he sell on Wednesday ? Round off your answer to the nearest hundred.

Monday	2635	

Tuesday	2635	2635

Wednesday | (bar) ←→ 1271

1 unit = 2635

2 units = 2635 × 2 = 5270

Amount of ice cream he sold on Wednesday

= 5270 − 1271 = 3999

Rounded off to the nearest hundred = 4000

He sold 4000 ice creams on Wednesday