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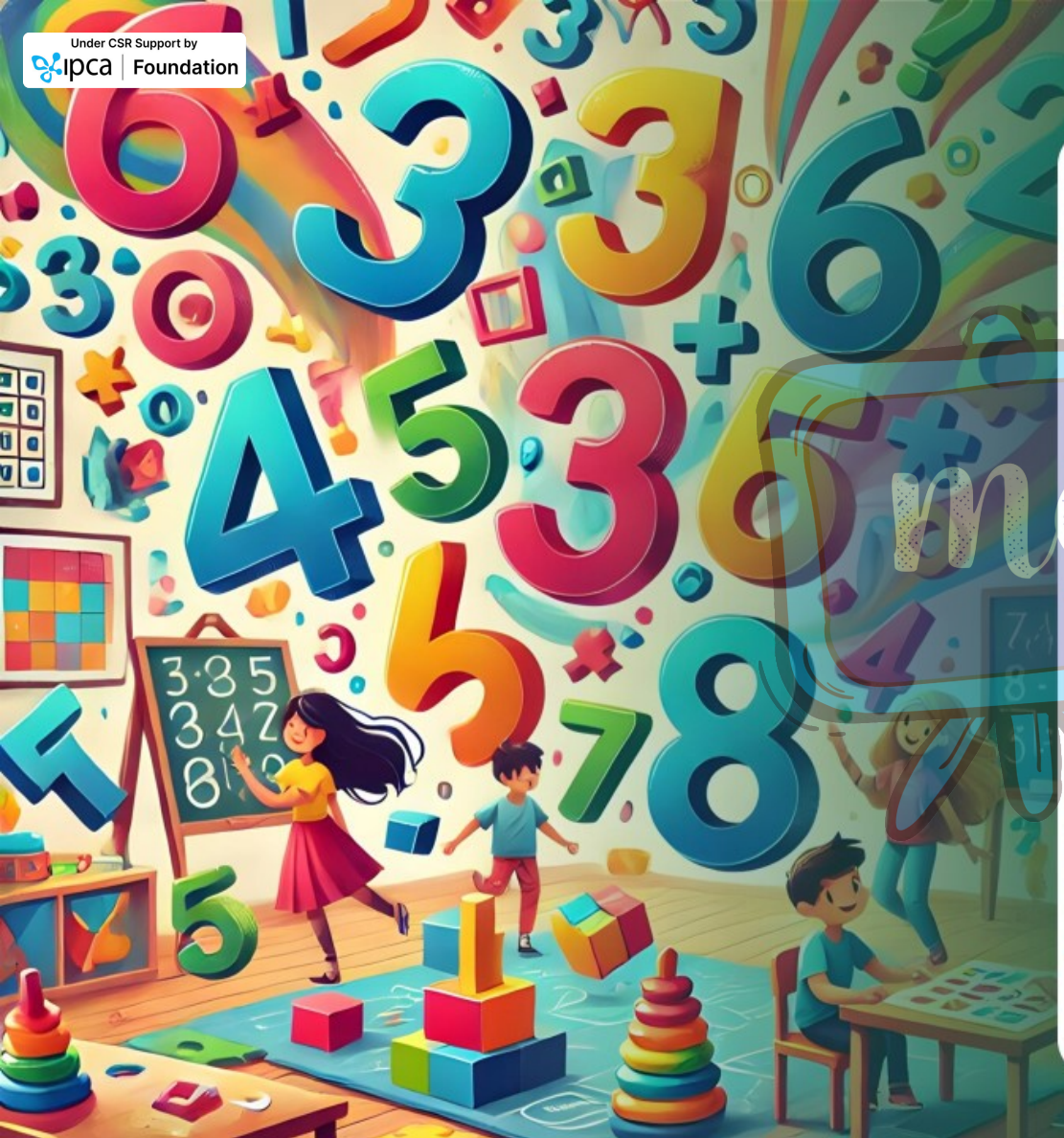

CLASS – 6

MATHEMATICS

Chapter – 3

Number Play

Part – 10

Figure it Out

Lavish Aggarwal

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1. Write an example for each of the below scenarios whenever possible.

5-digit + 5-digit to give a 5-digit sum more than 90,250	5-digit + 3-digit to give a 6-digit sum	4-digit + 4-digit to give a 6-digit sum	5-digit + 5-digit to give a 6-digit sum
5-digit + 5-digit to give 18,500	5-digit – 5-digit to give a difference less than 56,503	5-digit – 3-digit to give a 4-digit difference	5-digit – 4-digit to give a 4-digit difference
	5-digit – 5-digit to give a 3-digit difference	5-digit – 5-digit to give 91,500	

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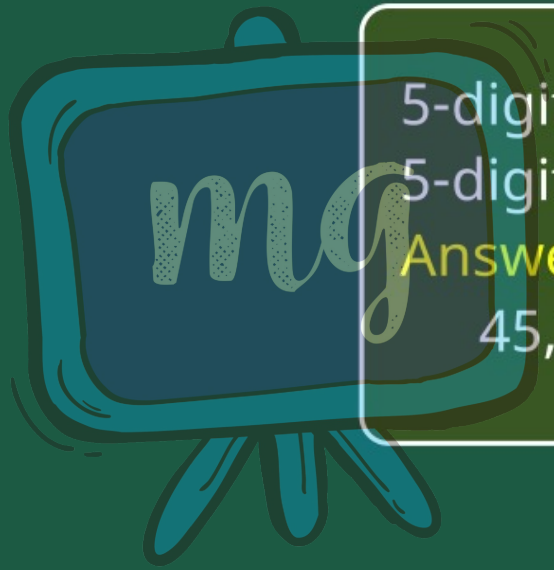

5-digit + 5-digit to give a
5-digit sum more than 90,250

Answer :

45,130 + 45,520 = 90,650

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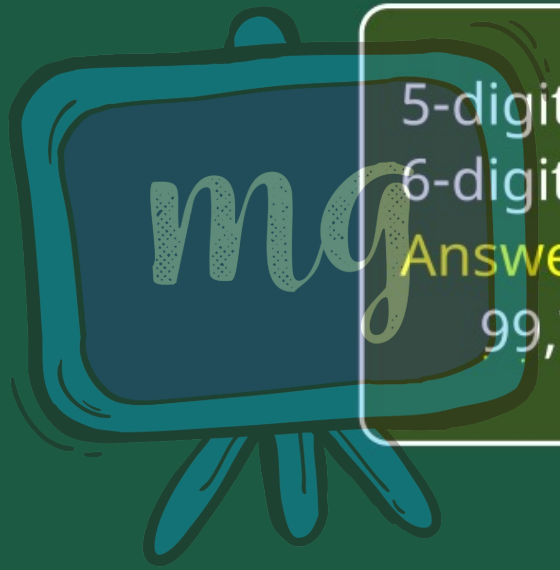

5-digit + 3-digit to give a 6-digit sum

Answer :

99,750 + 500 = 1,00,250

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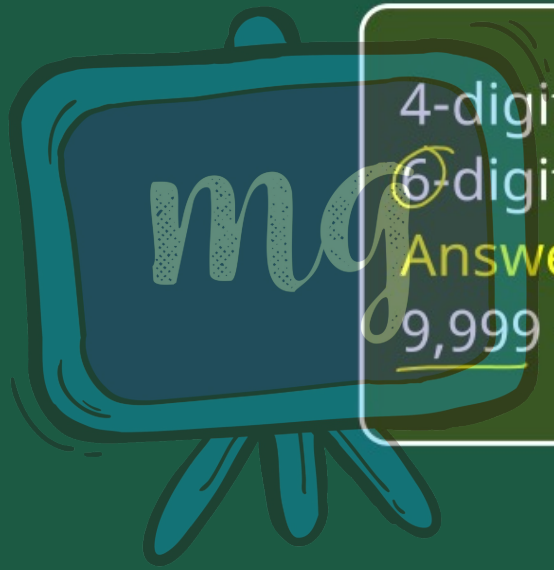

4-digit + 4-digit to give a 6-digit sum

Answer : Not possible

9,999 + 9,999 = 19,998

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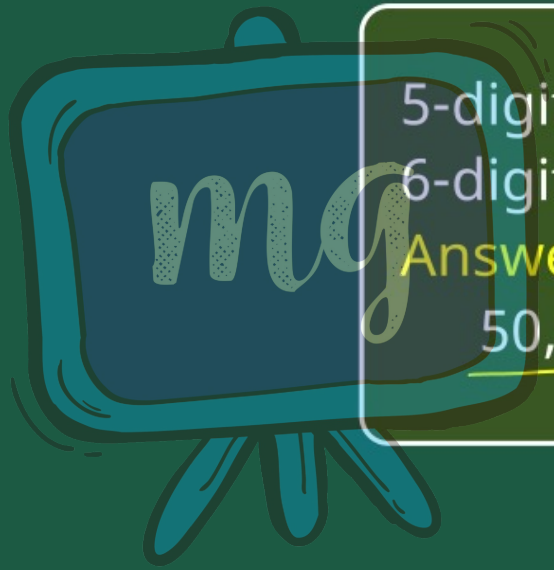

5-digit + 5-digit to give a 6-digit sum

Answer :

50,000 + 60,000 = 1,10,000

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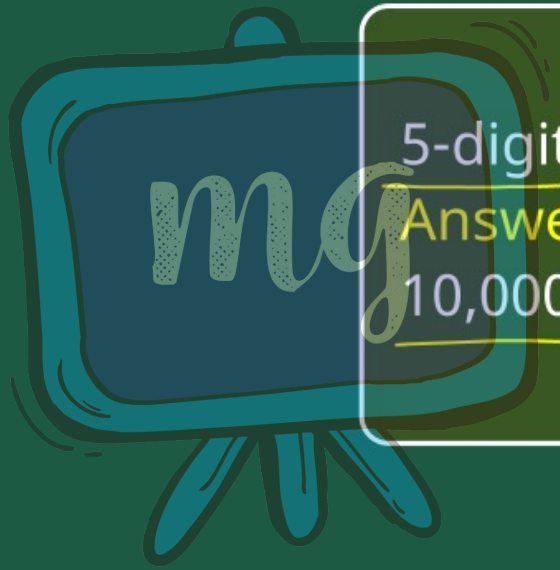

5-digit + 5-digit to give 18,500

Answer : Not possible

10,000 + 10,000 = 20,000

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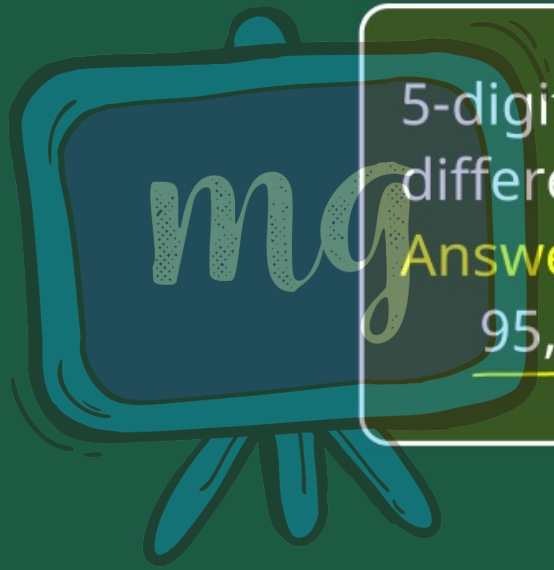

5-digit –5-digit to give a difference less than 56,503

Answer :

95,000 – 40,000 = 55,000

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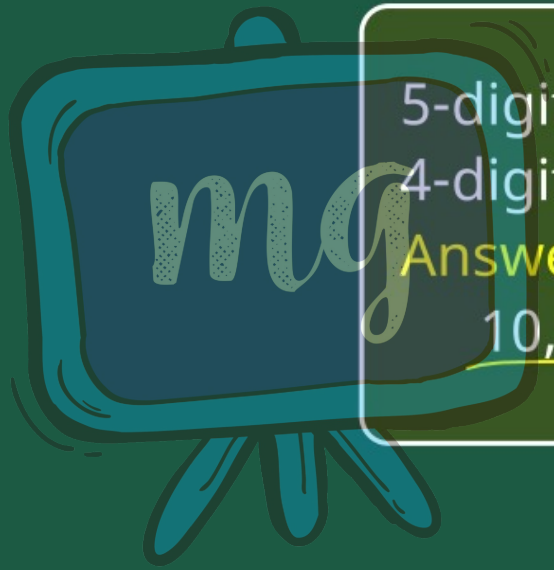

5-digit – 3-digit to give a 4-digit difference

Answer :

10,000 – 900 = 9,100

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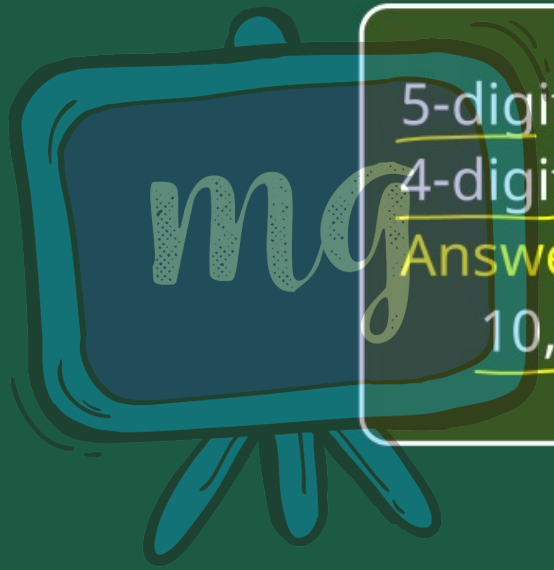

5-digit – 4-digit to give a 4-digit difference

Answer :

10,000 – 1000 = 9,000

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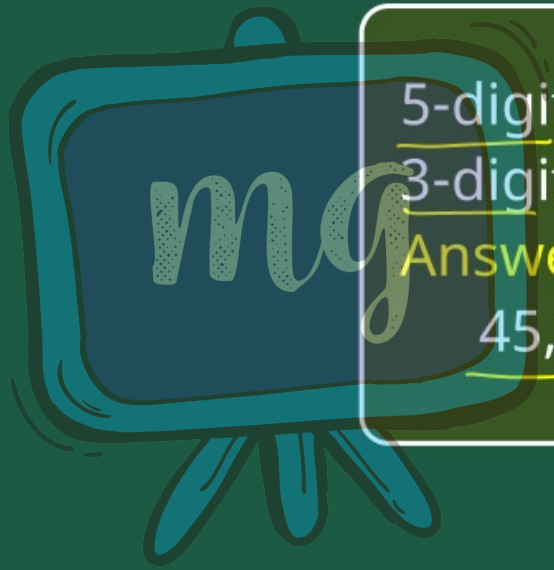

5-digit – 5-digit to give a 3-digit difference

Answer :

45,500 – 45,000 = 500

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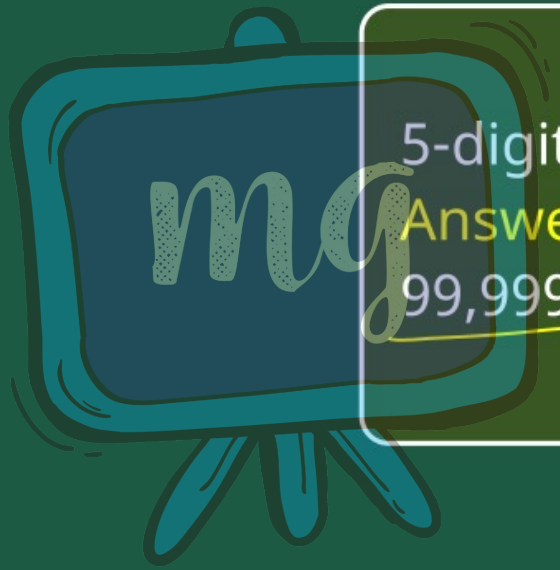

5-digit – 5-digit to give 91,500

Answer : Not possible

99,999 – 10,000 = 89,999

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2. Always, Sometimes, Never?

Below are some statements. Think, explore and find out if each of the statement is ‘Always true’, ‘Only sometimes true’ or ‘Never true’. Why do you think so? Write your reasoning and discuss this with the class.

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(a) 5-digit number + 5-digit number gives a 5-digit number



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(a) 5-digit number + 5-digit number gives a 5-digit number

Answer : Sometimes true

10,000 + 10,000 = 20,000

45,000 + 45,000 = 90,000

90,000 + 20,000 = 1,10,000

80,000 + 40,000 = 1,20,000

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(b) 4-digit number + 2-digit number gives a 4-digit number



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(b) 4-digit number + 2-digit number gives a 4-digit number

Answer : Sometimes true

1,000 + 90 = 1,090

9,000 + 99 = 9,099

9,999 + 10 = 10,009 — 5 digit.

9,920 + 99 = 10,019

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(c) 4-digit number + 2-digit number gives a 6-digit number



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(c) 4-digit number + 2-digit number gives a 6-digit number

Answer : Never true

9999 + 99 = 10,098

9950 + 90 = 10,040

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(d) 5-digit number – 5-digit number gives a 5-digit number



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(d) 5-digit number – 5-digit number gives a 5-digit number

Answer : Sometime true

99,999 – 10,000 = 89,999

90,000 – 45,000 = 45,000

50,000 – 45,000 = 5,000

80,000 – 72,000 = 8,000

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(e) 5-digit number – 2-digit number gives a 3-digit number



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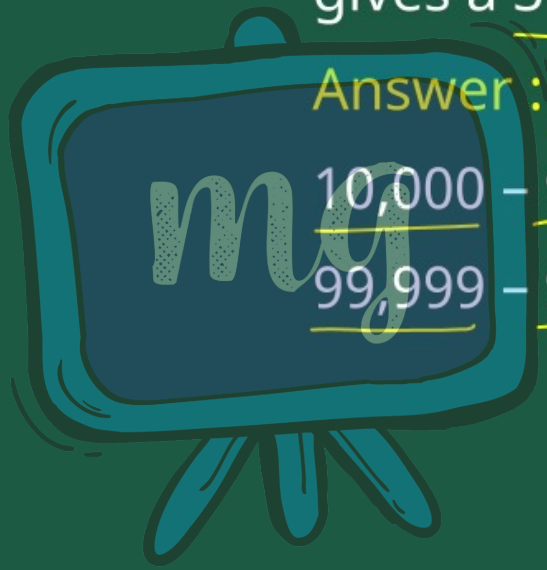
(e) 5-digit number – 2-digit number gives a 3-digit number

Answer : Never true



10,000 – 99 = 9,901

99,999 – 99 = 99,900

3