**Problem Cards**

**Master 87a**



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| Take Away Problem (Part Unknown) | | |
| Rahmi and Kea collect 36 coloured stones. Rahmi takes out the 8 green stones. How many stones are left? | 33 birds are sitting in a tree. Some birds fly away. Now there are 21 birds in the tree. How many birds  flew away? | |
|  | | |
| Take Away Problem (Whole Unknown) | | Join Problem (Part Unknown) |
| Some children are on a bus. No children get off at the first stop. Now 28 children are left on the bus. How many children were on the bus to begin with? | Ali made a tower with linking cubes. He added 19 more cubes to the tower. The tower now has 31 cubes. How many cubes did the tower have to begin with? | |
| Join Problem (Part Unknown) | | |
| There are 16 cows in the barn. More cows come to join them. Now there are 35 cows in the barn. How many came to join them? | 24 grapes are in a bowl. 19 are red and the rest are green. How many green grapes are in the bowl? | |
| Join Problem (Whole Unknown) | | |
| Sienna has 18 stickers. Dakota gives her 13 more stickers. How many stickers does Sienna have now? | There are 16 red apples and 18 green apples in a basket. How many apples are there altogether? | |
|  | | |
| Comparison Problem | Make Equal Problem | |
| Serena collected 16 shells on the beach. Roger collected 27 shells. How many more shells did Roger collect than Serena? (How many fewer shells did Serena collect  than Roger?) | There are 27 students in the class. Everyone needs a marker. Krishan has 16 markers to give out. How many more markers does he need for everyone to get a marker? | |

**Problem Cards**

**Master 87b**



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| Take Away Problem (Part Unknown) | | |
| Rahmi and Kea collect 76 coloured stones. Rahmi takes out the 25 green stones. How many stones are left? | 43 birds are sitting in a tree. Some birds fly away. An hour later, 13 more birds fly away. Now there are 19 birds in the tree. How many birds first flew away? | |
|  | | |
| Take Away Problem (Whole Unknown) | | Join Problem (Part Unknown) |
| Some children are on a bus. No children get off at the first stop. Now 41 children are left on the bus. How many children were on the bus to begin with? | Ali made a tower with linking cubes. He added 19 more cubes to the tower. Then he added 6 more cubes. The tower now has 53 cubes. How many cubes did the tower have to begin with? | |
| Join Problem (Part Unknown) | | |
| There are 36 cows in the field. More cows come to join them. Now there are 72 cows in the field. How many came to join them? | 34 grapes are in a bowl. 19 are red, 6 are purple, and the rest are green. How many green grapes are in the bowl? | |
| Join Problem (Whole Unknown) | | |
| Sienna has 57 stickers. Dakota gives her 22 more stickers. How many stickers does Sienna have now? | There are 14 red apples, 10 yellow apples, and 8 green apples in a basket. How many apples are there altogether? | |

**Problem Cards**

**Master 87c**

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| Comparison Problem | Make Equal Problem |
| Serena collected 36 shells on the beach. Roger collected 39 shells. How many more shells did Roger collect than Serena? (How many fewer shells did Serena collect  than Roger?) | There are 27 students in the class. Everyone needs a marker. Krishan has 11 blue markers and 13 black markers to give out. How many more markers does he need for everyone to get a marker? |

**Problem Cards**

**Master 87d**

|  |  |
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| Take Away Problem (Part Unknown) | |
| Rahmi and Kea collect 12 coloured stones. Rahmi takes out the 10 green stones. How many stones are left? | 13 birds are sitting in a tree. Some birds fly away. Now there are 10 birds in the tree. How many birds  flew away? |

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| Take Away Problem (Whole Unknown) | |  |
| Some children are on a bus. No children get off at the first stop. Now 7 children are left on the bus. How many children were on the bus to begin with? |

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| Join Problem (Part Unknown) | |
| There are 8 cows in the barn. More cows come to join them. Now there are 13 cows in the barn. How many came to join them? | Ali made a tower with linking cubes. He added 19 more cubes to the tower. The tower now has 31 cubes. How many cubes did the tower have to begin with? |
| Join Problem (Whole Unknown) |  |
| Sienna has 9 stickers. Dakota gives her 6 more stickers. How many stickers does Sienna have now? |