

## Worksheet B

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### Use Objects, Shapes and Symbols for Unknown Numbers

Level 1

Level 2 Level 3

I Find the value of the unknowns.

a 9 + 47 = 56

b 10 + 81 = 91

c 85 - 13 = 72

d 60 - 36 = 24

If you are not sure, you can refer to Student's Book pages II7 and II8.



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Level 1   **Level 2**   Level 3



2 Kelly has a bag of rice and a bag of flour.

The total mass of the bag of rice and the bag of flour is 14 kg.

The bag of rice is heavier than the bag of flour.

$$\triangle \text{ kg} + \triangle \text{ kg} = 14 \text{ kg}$$

What is the mass of the bag of rice in kilograms?

What is the mass of the bag of rice in kilograms?

Give all the possible masses of the bag of rice and bag of flour.



Flour      Rice

$\triangle$	$\triangle$	Total
8	6	14
9	5	14
10	4	14
11	3	14
12	2	14
13	1	14

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3 Daniel cuts a ribbon into 3 pieces.

Each piece has a different length in metres.

All the lengths of the ribbons are in whole numbers.

The longest piece is 6 m long.

How long was the ribbon before Daniel cut it?

Find all the possible lengths.

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1st piece	2nd piece	(+ 6) Total length of the ribbons
1	2	9
1	3	10
1	4	11
1	5	12
2	3	11
2	4	12
2	5	13
3	4	13
3	5	14
4	5	15

The possible lengths are 9 m, 10 m, 11 m, 12 m, 13 m, 14 m and 15 m.