

Canonbury Home Learning
Year 2/3 Maths

Steppingstone activity - **ANSWERS**

Lesson 4 – 16.07.2020

LO: Problem Solving

Success Criteria:



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| 1. Look at the four numbers: 1, 4, 2, and 8 |
| 2. See how many different calculations you can come up with and solve |
| 3. Did you have a system e.g. start by adding each of the numbers to 1, then to 4 etc...? |

Steppingstone Activity

There are six different sums and six different (positive) differences.

1. $1 + 2 = 3$

$1 + 4 = 5$

$2 + 4 = 6$

$1 + 8 = 9$

$2 + 8 = 10$

$4 + 8 = 12$

2. $2 - 1 = 1$

$4 - 2 = 2$

$4 - 1 = 3$

$8 - 4 = 4$

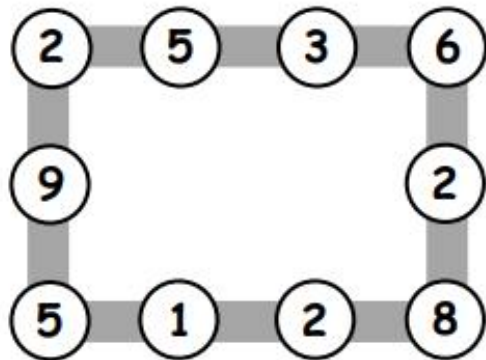
$8 - 2 = 6$

$8 - 1 = 7$

- | |
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| 1. Begin with Task 1 – try to use a systematic method (using a pattern to make sure you get all the possible answers) |
| 2. Then have a go at Task 2 – use a systematic method to find the weight of each cat |

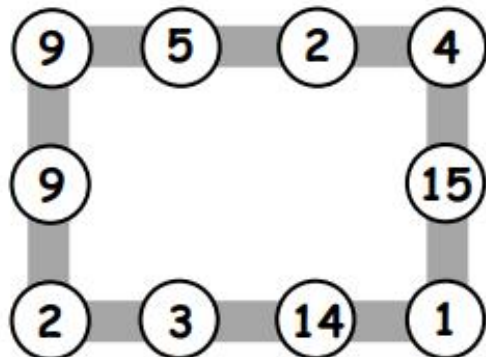
Task 1

1. For example:



Other solutions are possible.

2. For example:



Task 2

Kieron's cats weigh 5 kg, 2 kg and 6 kg.

Kieron's cats

Kieron has three cats.
Each is a different weight.

The first and second weigh 7 kg altogether.
The second and third weigh 8 kg altogether.
The first and third weigh 11 kg altogether.

What is the weight of each cat?

