**Equations B**

**Section A**

Solve each problem using **both** pictures **and** symbols. The left column is for pictures, the right columns is for symbols.

Remember – both columns need arrows to show what you have done to both sides.

7

42

3× A A

8× A

3 ×

C

12

17

C



**Equations B**

**Section A**

Solve each problem using **both** pictures **and** symbols. The left column is for pictures, the right columns is for symbols.

Remember – both columns need arrows to show what you have done to both sides.

7

42

3× A A

8× A

3 ×

C

12

17

C



Write a balance problem and solve your problem using both pictures and symbols:

For each of these questions, represent the problem using symbols and hence find the mass of the block:

1. I put 2 blocks of mass E kg and 14kg on one side of a pan balance. They balance with 5 blocks of mass E kg and 8kg.

b) I put 9 blocks of mass G kg on one side of a pan balance. They balance with 5 blocks of mass G kg and 16kg.

Write a balance problem and solve your problem using both pictures and symbols:

For each of these questions, represent the problem using symbols and hence find the mass of the block:

1. I put 2 blocks of mass E kg and 14kg on one side of a pan balance. They balance with 5 blocks of mass E kg and 8kg.

b) I put 9 blocks of mass G kg on one side of a pan balance. They balance with 5 blocks of mass G kg and 16kg.

**Section B**

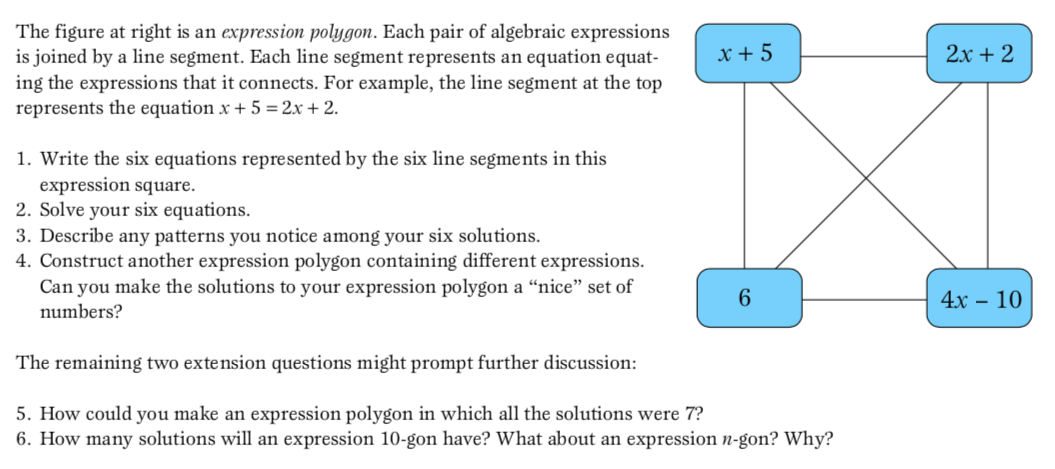
Solve each equation, indicating the inverse pairs clearly.

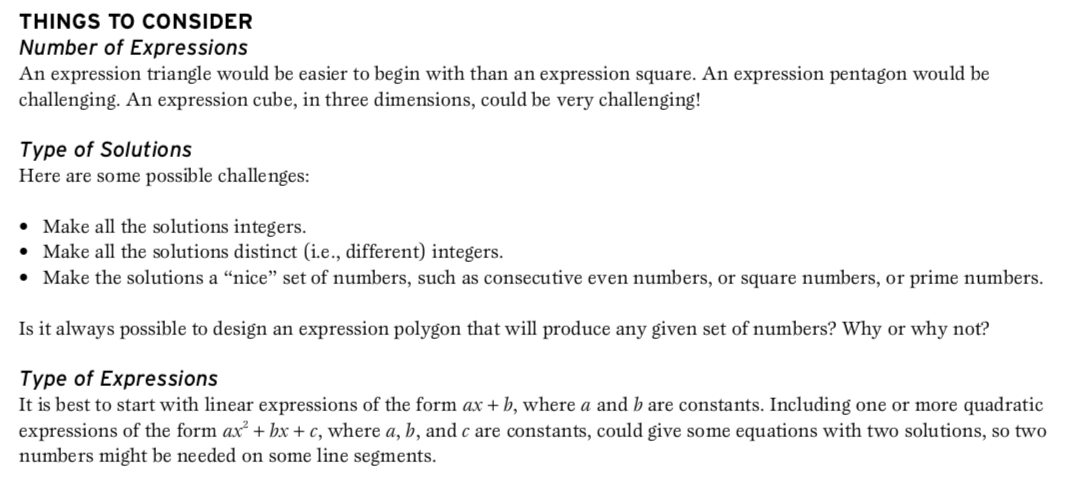
1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. Lara has solved the following equations but completely forgotten to box the inverse pairs! Irritatingly, she hasn’t used two colours. Copy and complete, boxing all the inverse pairs.

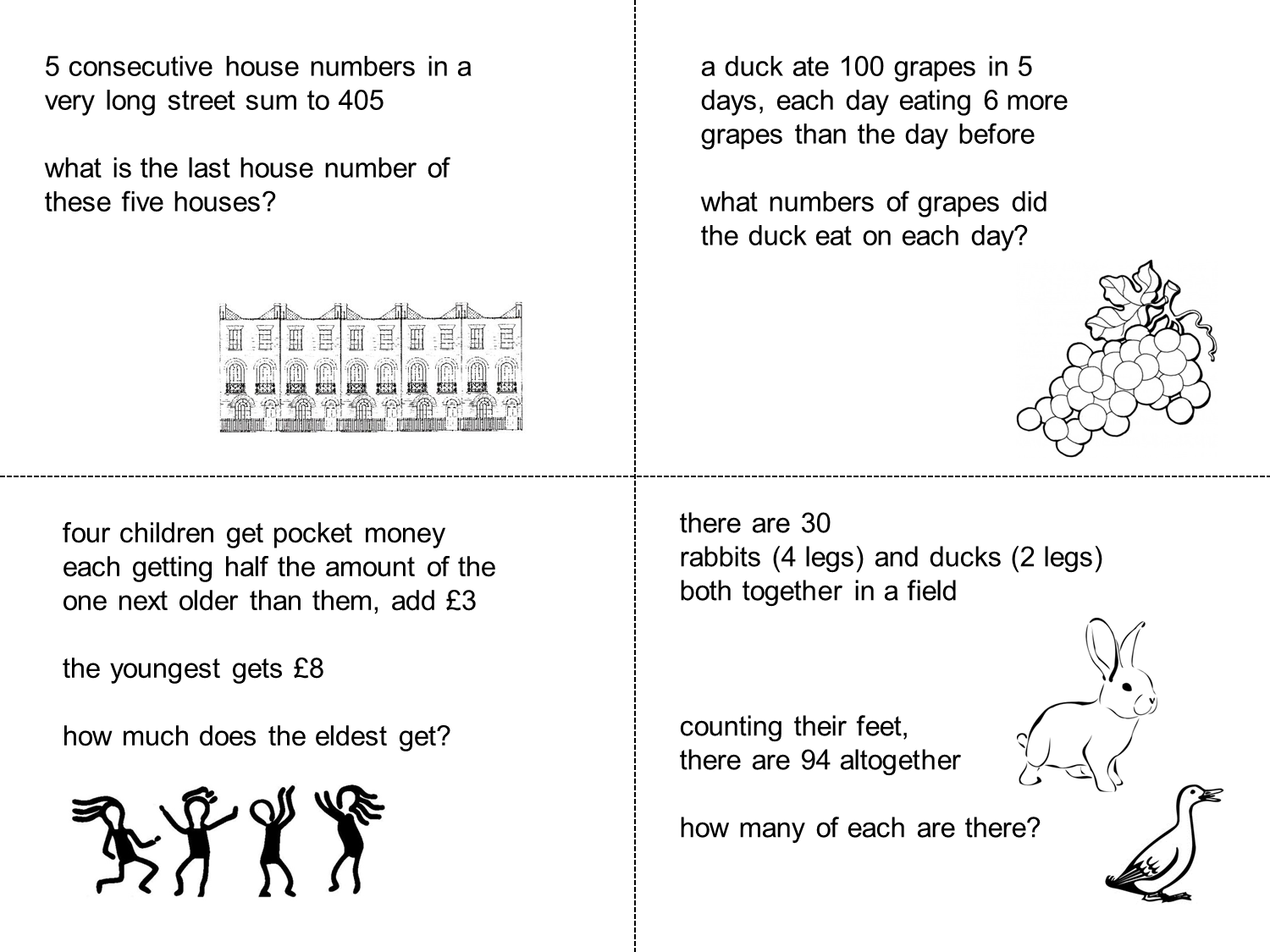
 

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. Go back and solve each equation in a different way.

**Section C: Extensions**







# Equations B - Homework

Solve each equation, boxing the inverse pairs and showing commutatively.

1. 
2. 
3. 
4. 
5. 
6. 

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 44 | 15 |  | 7 |  | 8 | 104 |  | 6 | 31 |