One step Equations

1. $2x = 10$

   $x = 5$

2. $x+8=10$

   $x = 2$

3. $5-x = 2$ (think carefully)

   $x = 3$

4. $5x = 45$

   $x = 9$

6. $20x = 100$

   $x = 5$

7. $x + 11 = 30$

   $x = 19$

8. $7x = 84$

   $x = 12$

9. $x - 12 = 5$

   $x = 17$

10. $15 - x = 10$

$x = 5$

Check your solutions work!

I think of a number..

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Solving Equations

Find the value of x.

1. 2x + 4 = 10

$2x = 6$

$x = 3$

2. 3x + 1 = 19

$3x = 18$

$x = 6$

3. 5x - 1 = 24

$5x = 25$

$x = 5$

4. 10x - 4 = 16

$10x = 20$

$x = 2$

5. 12 + 2x = 14

$2x = 2$

$x = 1$

$1 \times 1 = 1$

$1 \times 2 = 2$

$1 \times 3 = 3$

$1 \times 4 = 4$

green book

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Think of a value of x, make up an equation, give it to your partner to solve.

For example:

$3x - 1 = 8$

$3x = 9$

$x = 3$

Solving two - step equations

Now have a go at solving these:

1. 4x + 1 = 9

2. 5x + 3 = 8

3. 6x - 1= 29

4. 10x + 3 = 103

See attachments

5. 4x - 5 = 11

Some tricky ones:

Work out the solutions to :

1. 4 - x = 3

2. 10- x = 6

3. 15 - x = 7

A step more difficult is, for example:

4. 10 - 2x = 6

5. 25 - 5x = 10

6. 100 - 11x = 78

Attachments

group solving equations.doc

I'm thinking of a number.doc