

**Math Worksheet**  
**Creating Equations**  
**Real Life Situations**

For each of the following situations please do the following:

- a) State the equation
  - b) Draw the graph
  - c) Answer the questions
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1. A photographer charges a sitting fee of \$36 and \$4 for every picture ordered.
    - a) Calculate the cost of ordering 45 photographs.
    - b) How many photographs could you purchase for \$135?
  
  2. A taxi company charges a flat rate of \$11 and \$0.25 for every km driven.
    - a) How many km can you go for \$47?
    - b) How much would it cost to travel 19km?
  
  3. A cable company charges a monthly fee of \$36 along with \$3.25 for every additional channel.
    - a) How many extra channels can you purchase for \$100?
    - b) How much would it cost for 11 extra channels?
  
  4. A telephone company charges \$2.75 for every long distance phone call along with a monthly fee of \$27.
    - a) How much would it cost to make 5 long distance phone calls lasting 10 minutes each?
    - b) Calculate how many phone calls can be made for \$57.

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5. A telephone company charges \$0.54 a minute for long distance phone calls. Its monthly fee is \$48.

- a) How much would it cost to make 5 phone calls lasting 4 minutes each?
- b) How long could you talk to your best friend in NFDL for \$87?
- c) How long could you talk to your friend in Nelson?

6. Give an example of a scenario that would use the following equations.

- a)  $y=6x+56$
- b)  $y=4x+35$
- c)  $y=2x+11$