## Copymaster: Gearing Up

## Activity One

| Game | Number of<br>teeth on the<br>first cog | Number of<br>teeth on the<br>second cog | Number of turns the second cog makes when the first cog is turned once | Number of turns the first cog makes when the second cog is turned once |
|------|--|---|--|--|
| 1    |  |   |  |  |
| 2    |  |   |  |  |
| 3    |  |   |  |  |
| 4    |  |   |  |  |
| 5    |  |   |  |  |

| Turns of Wheel per 5 Turns of Pedals |  |                       |  |  |  |  |  |
|--------------------------------------|--|-----------------------|--|--|--|--|--|
| Front sprocket                       |  | Rear sprocket (teeth) |  |  |  |  |  |
| (teeth)                              |  |                       |  |  |  |  |  |
|                                      |  |                       |  |  |  |  |  |
|                                      |  |                       |  |  |  |  |  |

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## Activity One

| Game | Number of<br>teeth on the<br>first cog | Number of<br>teeth on the<br>second cog | Number of turns the second cog makes when the first cog is turned once | Number of turns the first cog makes when the second cog is turned once |
|------|--|---|--|--|
| 1    |  |   |  |  |
| 2    |  |   |  |  |
| 3    |  |   |  |  |
| 4    |  |   |  |  |
| 5    |  |   |  |  |

| Turns of Wheel per 5 Turns of Pedals |                       |  |  |  |  |  |
|--------------------------------------|-----------------------|--|--|--|--|--|
| Front sprocket (teeth)               | Rear sprocket (teeth) |  |  |  |  |  |
| (teeth)                              |                       |  |  |  |  |  |
|                                      |                       |  |  |  |  |  |
|                                      |                       |  |  |  |  |  |