

# 8.EE Summer Swimming

## Task

The local swim center is making a special offer. They usually charge \$7 per day to swim at the pool. This month swimmers can pay an enrollment fee of \$30 and then the daily pass will only be \$4 per day.

- Suppose you do not take the special offer. Write an equation that represents the amount of money you would spend based on how many days you go to the pool if the passes were bought at full price.
- Write a second equation that represents the amount of money you would spend if you decided to take the special offer.
- Graph your two equations from part (a) and (b).
- After how many days of visiting the pool will the special offer be a better deal? How can you tell algebraically? How can you see this graphically?
- You only have \$60 to spend for the summer on visiting this pool. Which offer would you take? Explain.

