Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

# In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both



Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

# In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- (4) rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- (7) much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3.\about the same amount for both



Carnegie Learning

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort
- 5. Deither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

# In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. yery high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- (3. Inuch less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3) about the same amount for both

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- Now mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- about the same amount for both



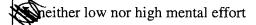


Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort



- (6.)rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6) a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3) about the same amount for both

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3) much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- (R) about the same amount for both



Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- Arather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5) neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- (2. mostly trying to use the computer interface
- 3. about the same amount for both

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. yery much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both



Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort
- 6. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

#### The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both



Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

# In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort

5. heither low nor high mental effort

- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. Now mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

## How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort
- (5.) neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

#### Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

#### Where did the mental effort come from?

- 1. mostly thinking about the problems
- (2) mostly trying to use the computer interface
- 3. about the same amount for both



Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. (rather low mental effort)
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

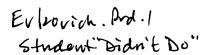
Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6 (a little more than normal tutor use)
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both



## Carnegie Learning

## Unit 18 Review of Linear Equations – Mental Effort Survey

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. low mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both



Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

## In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- 3. ow mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

#### The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- 2. very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both

## Carnegie Learning

## Unit 18 Review of Linear Equations - Mental Effort Survey

Please circle the answer that best represents how you felt about the amount of mental effort you spent while working with in Unit 18.

How much mental effort during the study?

# In solving or studying Unit 18, I invested, spent, or felt

- 1. very, very low mental effort
- 2. very low mental effort
- (3.)low mental effort
- 4. rather low mental effort
- 5. neither low nor high mental effort
- 6. rather high mental effort
- 7. high mental effort
- 8. very high mental effort
- 9. very, very high mental effort

Was the mental effort the normal amount?

## The mental effort I spent or felt was

- 1. very, very much less than normal tutor use
- (2) very much less than normal tutor use
- 3. much less than normal tutor use
- 4. a little less than normal tutor use
- 5. neither more nor less than normal tutor use
- 6. a little more than normal tutor use
- 7. much more than normal tutor use
- 8. very much more than normal tutor use
- 9. very, very much more than normal tutor use

Where did the mental effort come from?

- 1. mostly thinking about the problems
- 2. mostly trying to use the computer interface
- 3. about the same amount for both