

**Math Essentials 10 Teacher Learning Centre
Answer Links**

<Section 1.1 Answers>

Answers to Activity Questions (pages 3–5)

1.
 - a) sales personnel for electronics store
 - b) part-time
 - c) self-motivated, outgoing, and energetic
 - d) submit resume to a web site or e-mail address
2.
 - a) server for restaurant
 - b) \$10.50/h
 - c) apply in person at the restaurant
3. Example:
 - a) server, babysitter
 - b) telemarketer, clothing store job
 - c) doctor, manager
 - d) editor, journalist
4. Example:
 - a) By the hour:
Advantage: There is a pay guarantee; there is a constant flow of income.
Disadvantage: The amount you make is limited.
 - b) By commission:
Advantage: There is an opportunity to make a lot of money depending on how much you sell.
Disadvantage: If you do not sell as much that pay commission, you may not make as much money as you need.
5. a) Example:

Job Title	Job Description	Pay Information	Other Information
Night janitor	Clean factory floors nightly	\$13/h	Must work late hours
Cashier at restaurant	Calculate customer bills, take money, and give change	\$10.45/h	Must be careful and cheerful
Babysitter	Care for two children after school ages 3 and 5	\$35/night	Must be responsible and have flexible schedule
Salesperson in clothing store	Sell clothes	\$12/h plus commission	Must be helpful and confident

b) Janitor and Cashier are hourly; Babysitter is piecework; Salesperson is hourly rate plus commission

6. Example:

a) Use the Janitor hourly rate: \$13/h

b) \$260

7. a) 3 h b) 7 h

c) 42 h

8. a) 4 h, \$50 b) 5.5 h, \$68.75

c) 6 h, \$75 d) 5 h, \$62.50

9. \$174.25

<Section 1.2 Answers>

Answers to Activity Questions (pages 9 and 11)

1. a) 18 h b) \$198

2. a) 4.5 h, 6 h, 4.5 h, 5 h, 20 h

b) \$220

3. \$198, \$220, \$209

4. \$160, \$8320

5. a) \$8300
 b) \$8300, \$691.67
6. a) \$362.50
 b) \$18 850
 c) \$19 000
7. a) \$114, \$5928, \$494
 b) \$225, \$11 700, \$975
 c) \$288.46, \$15 000, \$1250
 d) \$166.15, \$8640, \$720

<Section 1.3 Answers>

Answers to Activity Questions
 (pages 13–15)

1. a) \$20 000 b) \$2388
 c) \$81 988 d) \$20 497
2. \$96
3. a) \$200 b) \$260
 c) \$230 d) \$11 960

For questions 4 and 5, answers depend on current minimum wage. Examples at \$10.25/h:

4. a) \$256.25 b) \$290 c) \$290
5. a) \$276.75 b) \$250 c) \$276.75
6. Example:

- a) getting paid no less than minimum wage
- b) having a chance to earn more than minimum wage

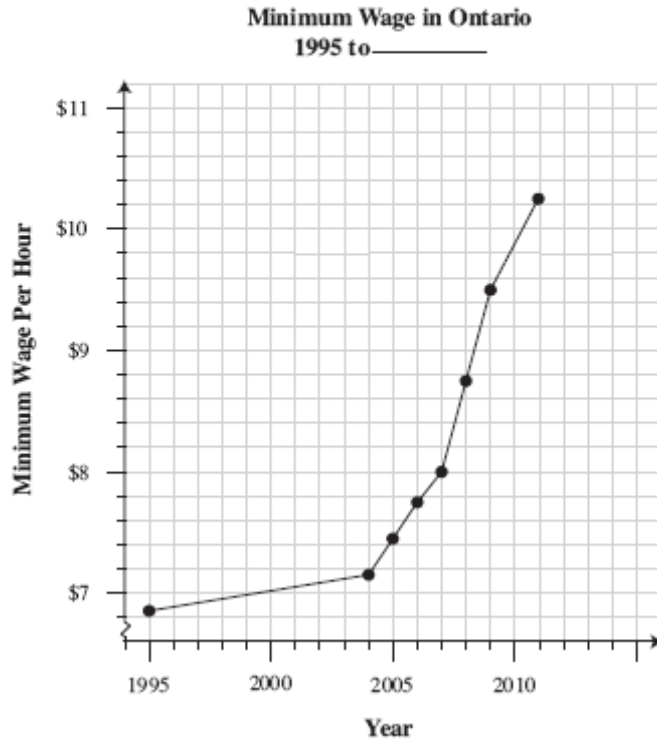
7. Answer depends on current minimum wage for servers. Example at \$8.90/h:

- a) Tuesday: \$35.60, \$72, \$107.60
 Thursday: \$44.50, \$112, \$156.50
 Friday: \$48.95, \$126, \$174.95
 Saturday: \$71.20, \$178, \$249.20
- b) \$688.25

<Section 1.4 Answers>

Answers to Activity Questions (pages 17–19)

1. a) Graph may vary depending on current minimum wage.

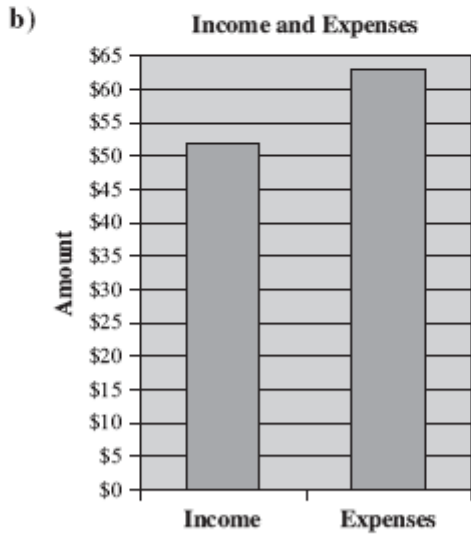


2. a) 2006 to 2007
b) Example:
Determine the smallest difference between years by subtracting.
c) Example:
Find the least steep part of the graph.
3. a) about 18.8%
b) about 7.9%
4. \$220, \$11 440, \$953.33
5. a) \$0.33
b) \$11.33
6. \$226.60, \$11 783.20, \$981.93
7. \$19 760, \$1646.67
8. \$19, \$988, \$82.33
9. \$399, \$20 748, \$1729

<Section 1.5 Answers>

Answers to Activity Questions (pages 20–23)

1. a) \$93.50, \$103.75
b) SPENDING
c) \$93.50, \$103.75; $-\$10.25$
d) negative; Yes, he spent more than he earned.
2. a) Transportation
b) \$240
c) Michelle earned less than \$240 in August.
3. a) Yes. If Steve always spends more than he earns, he will never accumulate any savings.



- c) Read the bar graph for the totals. Subtract his spending from his total income to give his savings.

4. a) Housing

b) Charity

c) 100%

5. a) \$1116

b) \$792

c) \$288

6. a) 1.4%

b) 8.6%

c) 8.3%

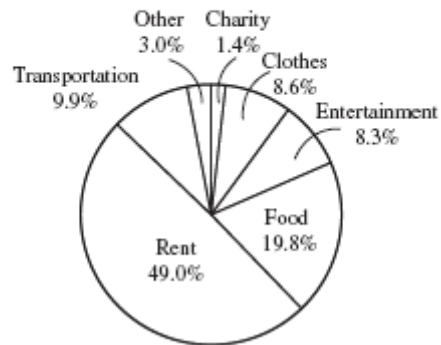
d) 19.8%

e) 49%

f) 9.9%

g) 3%, Total: 100%

7. **The Chungs' Monthly Budget**

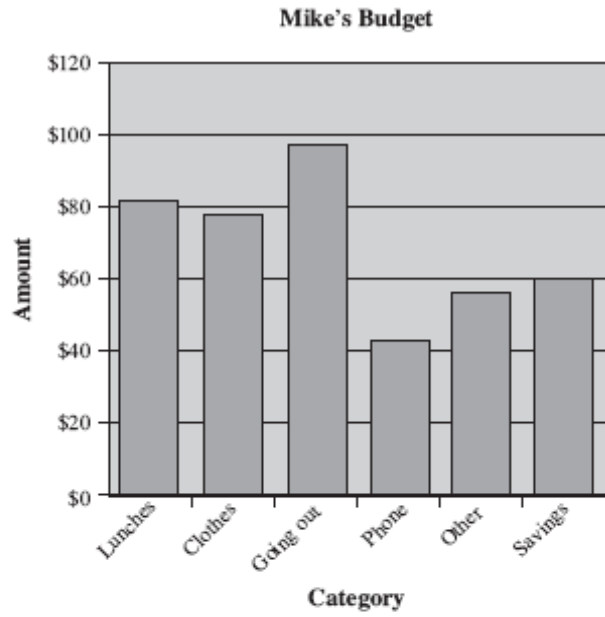


<Chapter 1 Review Answers>

Answers to Chapter 1 Review (pages 28–29)

1. broken-line graph
2. spreadsheet
3. circle graph
4. bar graph
5. a) 4.5 h, 4.5 h, 5 h, 3.5 h, 17.5 h
b) \$196
6. a) \$434.75
b) \$22 607
c) \$1883.92
7. a) \$468
b) \$24 336
c) \$2028
8. \$320

9. a)



Mike's Budget



b) Going out

c) 23%