

1.1 Investigating Jobs and Their Related Pay

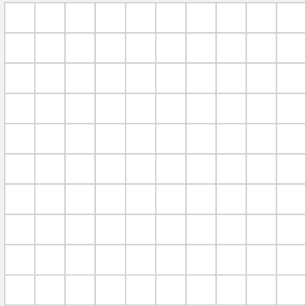
Focus: calculating gross pay

Warm Up															
<p>1. Determine, without using a calculator.</p> <p>a) $10 \times 30 =$ _____</p> <p>b) $10 \times 35 =$ _____</p> <p>c) $10 \times 40 =$ _____</p> <p>d) $10 \times 45 =$ _____</p>	<p>2. Calculate the length of time in hours between</p> <p>a) 8 a.m. and 4 p.m. _____</p> <p>b) 9 a.m. and 5:30 p.m. _____</p> <p>c) 7:30 a.m. and 5 p.m. _____</p> <p>d) 7 a.m. and 5:30 p.m. _____</p> <p>e) 11 p.m. and 7:30 a.m. _____</p>														
<p>3. a) Calculate the total hours Nicki worked last week.</p> <table style="margin-left: 20px;"> <tr><td>M</td><td>8</td></tr> <tr><td>T</td><td>9</td></tr> <tr><td>W</td><td>9</td></tr> <tr><td>T</td><td>8</td></tr> <tr><td>F</td><td>0</td></tr> <tr><td>S</td><td>8</td></tr> <tr><td>S</td><td>5</td></tr> </table> <p>Total</p> <p>b) Calculate her total earnings if she earns \$11/hour.</p>	M	8	T	9	W	9	T	8	F	0	S	8	S	5	<p>4. a) Research and state the minimum wage in Ontario for workers aged 18 or over.</p> <p>b) Is there more than one minimum wage in Ontario? Explain.</p>
M	8														
T	9														
W	9														
T	8														
F	0														
S	8														
S	5														
<p>5. How many regular hours will someone need to work to earn \$300 at \$12/hour?</p>	<p>6. Calculate.</p> <p>a) 1% of 100 = _____</p> <p>b) 5% of 100 = _____</p> <p>c) 5% of 300 = _____</p> <p>d) 5% of 3000 = _____</p>														

Skills Practice 1: Calculating Percents

- “Percent” means “for each 100.”
- A server who receives a tip of 10% earns 10 cents out of every dollar (100 cents) on the bill, 100 cents (1 dollar) for every 10 dollars on the bill, 10 dollars for every 100 dollars, and so on.

Shade in 10 boxes in the following hundreds grid.



1. Solve the following.

a) 5% of 100 = _____ **b)** 7% of 100 = _____

c) 20% of 100 = _____

Then, what is 6% of 200? Shade in 6 out of each 100.



So, 6% of 200 is _____.

2. Solve the following.

a) 6% of 300 = _____ **b)** 6% of 400 = _____

c) 6% of 500 = _____

But what about finding 6% of 493?

The answer has to be just a bit less than _____.

What is the pattern in solving #2?

Explain how you would find 6% of 800.

So, "of" implies multiplication.
How can you determine 6% of 493?
It depends on the type of calculator you have.



Tech Tip: Percent of a Number

How to calculate a percent of a number using a calculator depends on what type of calculator you have.

If you are using a calculator that has a % key, enter

$$493 \times 6 \%$$

If your calculator has % as a second function on another key, you will likely need to enter this keystroke sequence:

$$493 \times 6 \text{ (2nd) } \% =$$

6% of 493 = 29.58 This makes sense because it is "a bit less" than 6% of 500, which you determined earlier to be 30.

3. Use a calculator to solve the following.

- | | |
|-----------------------|-------------------------|
| a) 12% of 250 = _____ | b) 9% of 475 = _____ |
| c) 6% of 980 = _____ | d) 12.5% of 600 = _____ |
| e) 70% of 430 = _____ | f) 90% of 550 = _____ |

Calculating Gross Pay

- Pay for work done is often stated in different ways.
- Read each classified ad.

Job 1

Landscape labourer wanted.
M-F, 8-4, some OT. \$10.75 to start. Call Dan at 289-XXX-0628.

Job 2

General labourer wanted.
Mostly landscaping with some lifting. \$11/hr. 30–40 hrs/wk. Some weekends. 905-XXX-1432.



1. a) Given that each day includes a 30-minute unpaid lunch period, how many regular hours per day will you work at Job 1?

b) How many hours per week will you work at Job 1?

2. **Gross pay** is an employee's total earnings before any deductions are taken off. **Deductions** are costs, such as taxes, that are removed from total earnings. Calculate the gross pay for 1 week's work at Job 1.

Go to pages 1–6 to write definitions for **gross pay** and **deductions** in your own words.

3. Calculate the range of gross pay per week that is possible at Job 2.

a) 30 hrs/wk = \$ _____

b) 40 hrs/wk = \$ _____

To calculate gross pay, multiply the number of hours worked by the hourly wage.

4. a) If both jobs are offered to you, which one will you select? _____

b) Give some reasons for your choice.

- A local newspaper’s web site has 3 ads for cooks.
- Read each ad.

Job 1

Job 2

Job 3

2 full-time cooks wanted immediately. \$12/hr. Apply in person at Olde Towne Grille.	Kitchen prep & line cooks wanted. Experience an asset but not necessary. \$11/hr + % of tips. Apply in person at 231 St. Paul St. West.	COOK WANTED for Residential Boarding School. Competitive pay and benefits. Papers required. Fax résumé to 613-XXX-6607, attention HR.
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Chapter
1



5. For each employer, write 3 different questions that you might ask when you apply for the job.

What information about the job is important to you?

Job	Questions
a) Job 1	Question 1: _____ Question 2: _____ Question 3: _____
b) Job 2	Question 1: _____ Question 2: _____ Question 3: _____
c) Job 3	Question 1: _____ Question 2: _____ Question 3: _____

- Job 1 averages 45 hours per week.
- Job 2 averages 40 hours per week. The share of weekly tips is approximately \$75.
- Job 3 pays \$17.50 per hour for a 35-hour week and offers prescription drug and dental benefits.

6. a) At which job can a cook earn the most money? _____

Job 1	Job 2	Job 3
45 h × _____ = _____	_____ h × _____ + _____ = _____	_____ h × _____ = _____

b) A **pay package** is the total value, not just money, you receive for the work you do. Might receiving benefits make Job 3 more attractive? Explain your thinking.

Go to pages 1–6 to write a definition for **pay package** in your own words.

7. Collect information about jobs that interest you and that are currently available in your area. Use a variety of sources. Copy or attach the ads or job descriptions in your notebook.

Do all of your ads contain the same information? What are the similarities and differences?

Possible sources to collect information include the local newspaper, employment centres, the Internet, and grocery store bulletin boards.

Check Your Understanding

State 3 factors, other than \$/hour, that would affect whether you apply for or consider accepting a certain job.

- a) _____
- b) _____
- c) _____