# Test 1 A

# Note: Record your answers on the last page

Date: Name:

Grade: /40 Student #

1. The payroll department of a small cabinetmaking firm is responsible for 5 production staff. Their annual salaries are listed below.

Mark: $31,698.76

Lynn: $29,555.86

Bailey: $24,872.23

Shaw: $26,999.45

Rene’: $32,699.88

What is the annual payroll for the production staff of the firm?

1. Their finishing room purchased 3,060 litres of lacquer this year. The year-end inventory indicated that two, 205 litre drums and three 20-litre pails remain. How much lacquer was used during the year?
2. At $4.19 per litre, what is the value of the remaining inventory of lacquer in question 2?
3. How much money was spent on all lacquer last year?
4. What was the monthly payroll for the company in question 1?
5. Express in its lowest terms.
6. Subtract 3 “ from 6”.
7. Multiply by .
8. Divide by .
9. A panel saw operator has a lift of ” plywood, 11’ 10” high. How many sheets are in the lift?
10. A shelf, 4’ 8” long is divided into 14 equal parts. How long is each part?
11. The following dimensions are identified from the baseline of a drawing. Find the total of the dimensions. 12.58’, 14.94’, 8.98’, 9.18’.
12. A leased company car costs #379.98 per month. If $83.92 is agreed upon as the amount allocated for personal use paid by the employee using the car, how much does the car cost the company?
13. Find of $4.19 correct to the nearest cent.
14. Express 37.5% as a decimal.
15. Find 4% of $12.96 to the nearest cent.
16. $1.50 is what percent of $7.50?
17. An employee’s paycheck is $419.19. she worked 39 hours. How much is she paid per hour to the nearest cent?
18. Convert 56.59” to feet and inches to the nearest”.
19. **BONUS** There are 7 girls in a bus. Each girl has 7 backpacks. In each backpack, there are 7 big cats. For every big cat there are 7 little cats.

Question: How many legs are there in the bus? (This is a real math problem so don’t say that a bus has no legs).

**Answers: (all questions worth 2 marks unless otherwise noted. Question 3a worth 1 mark, 3b worth 1 mark)**

1. 12.
2. 13.
3. 3b 14.
4. 15.
5. 16.
6. 17. /3
7. 18. /3
8. Bonus. /2
9. /3
10. /3

**Test #1 Formulas:**

**Addition** or **Subtraction** of fractions

* 1. Find the common denominator.
  2. Convert fractions to equivalent fractions with the common denominator.
  3. Add or subtract the numerators.
  4. Reduce the product to its lowest terms.

**Multiplication** of fractions

* 1. Multiply the numerators.
  2. Multiply the denominators.
  3. Reduce the product to its lowest terms.

**Division** of fractions

* 1. Invert the fraction you are dividing by and change the division symbol to a multiplication symbol.
  2. Multiply the numerators.
  3. Multiply the denominators.
  4. Reduce the product to its lowest terms.

**Percentage**

P = (Example: What is 20% of 235?)

B = (Example: 75 is 12% of what number?)

R = (Example: What percent is 12 of 56?)

* “P” is the part value.
* “B” is the base value.
* “R” is the percentage.