

PRE-ACCREDITATION

Maths & Literacy for Beauty Therapy

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SAMPLE PAGES

Unit 4: General Mathematics

Short-answer questions

Specific instructions to students

- This unit will help you to improve your general mathematical skills.
- Read the following questions and answer all of them in the spaces provided.
- You may not use a calculator.
- You need to show all working.

QUESTION 1

What unit of measurement would you use to measure:

- a the length of French tips?

Answer:

- b the temperature of steriliser?

Answer:

- c the amount of acrylic liquid?

Answer:

- d the weight of a salon chair?

Answer:

- e the voltage of a nail dryer?

Answer:

- f the length of a body wrap?

Answer:

- g the cost of a treatment?

Answer:



QUESTION 2

Write an example of the following and give an instance where it may be found in the beauty industry:

- a percentages

Answer:

- b decimals

Answer:

- c fractions

Answer:

- d mixed numbers

Answer:

Unit 5: Basic Operations

Section A: Addition

Short-answer questions

Specific instructions to students

- This section will help you to improve your addition skills for basic operations.
- Read the questions below and answer all of them in the spaces provided.
- You may not use a calculator.
- You need to show all working.

QUESTION 1

A beauty therapist completes three treatments to three customers before lunch. The treatments include: a standard manicure for \$20, a full leg wax for \$38 and a deluxe pedicure for \$28. What would be the total cost?

Answer:

QUESTION 2

Four customers had the following treatments respectively: a French full set of nails costing \$60, an eyelash and eyebrow tint costing \$18, a half leg wax costing \$120 and a body exfoliation for \$50. What is the total?

Answer:

QUESTION 3

A beauty salon stocks 127 gowns, 268 cans of water resistant spray-on tan and 323 various sizes of disposable gloves. How many items in total are in stock?

Answer:

QUESTION 4

The following treatments are completed in the morning: an express pedicure for \$35, wedding tips for \$45, a bikini wax for \$15, a lip and chin wax for \$17 and a full body tan for \$45. How much money is charged for these treatments in total?

Answer:

QUESTION 5

A beauty therapist takes the following amount of time to complete specific treatments: deluxe manicure – 35 minutes, detoxifying body massage – 45 minutes, a warm body wrap – 75 minutes and a back massage – 30 minutes.

a How much time has been taken in minutes?

Answer:

b How much time has been taken in hours and minutes?

Answer:

QUESTION 6

A beauty therapy studio offers the following treatments and prices for a senior high school group preparing for their formal: full leg wax for \$25, a deluxe pedicure for \$35, an eyelash perm for \$45 and a paraffin hand treatment for \$25. How much would be spent by a student requiring all four treatments?

Answer:

QUESTION 7

A beauty salon offers several different waxing treatments for clients at the following prices: back wax for \$35, ear and nose wax for \$15, Brazilian wax for \$49, underarm wax for \$15, full leg wax for \$45 and a full G-string wax for \$79. If the therapist completed one of each treatment, what would the total takings be?

Answer:

QUESTION 8

A staff member completes three piercings: two ear piercings on two different clients costing \$45 each and a nose piercing, including studs, for \$50. Added to each treatment is \$8 for the antiseptic healing lotion. How much is charged for all three clients in total?

Answer:

QUESTION 9

One client requires a manicure and the other requires a pedicure. If the beauty salon charges \$29 for the manicure and \$55 for the pedicure, what will the total come to for both clients?

Answer:



QUESTION 10

A client pays \$50, \$59 and \$49 to have treatments that include: wedding make-up, eyelash perm and tint, and a spray tan, respectively. How much does the total come to?

Answer:

Section B: Subtraction

Short-answer questions

Specific instructions to students

- This section will help you to improve your subtraction skills for basic operations.
- Read the following questions and answer all of them in the spaces provided.
- You may not use a calculator.
- You need to show all working.

QUESTION 1

A salon purchases beauty wax skin care products for \$128. How much change is given from \$150?

Answer:

QUESTION 2

Four new hair and beauty equipment cases are bought for a total of \$135. How much change is given from \$200?

Answer:

QUESTION 3

A beauty salon is updating its equipment and purchases five adjustable beauty equipment chairs for a total cost of \$1255. How much change is given from \$1500?

Answer:

QUESTION 4

A beauty therapist uses 27 nail tips from a box that contains 150 nail tips. How many are left in the box?

Answer:

QUESTION 5

A glycolic exfoliation consisting of six treatments costs \$425. The manager takes off a discount of \$35.00. How much does the customer need to pay?

Answer:

QUESTION 6

A salon uses 31 cuticle eraser stones from a box that contains 50 cuticle eraser stones. How many are left in the box?

Answer:

QUESTION 6

The following items are on special and a customer decides to purchase one of each. The items include: nail buffing cream for \$5.95, nail primer for \$10.75 and hand and skin lotion for \$9.50. How much do the purchases total?

Answer:

QUESTION 7

A beauty salon purchases the following items to replace what they have used: blue pearl tips for \$14.50, clear full well tips for \$2.95, a set of coloured tips for \$5.95 and French tips for \$13.75. What is the total?

Answer:

QUESTION 8

Three different customers purchase the following: fast dry topcoat for nails costing \$10.75, glitter nail polish costing \$7.85 and tip blender for \$8.50. How much will be the total cost of all three purchases?

Answer:

QUESTION 9

A beauty store sells the following: a bottle of blue nail polish costing \$7.85, a 90-piece eye shadow, blush, lipstick and powder set for \$31.65, a 15 mL bottle of primer for \$10.45, a deluxe French acrylic kit for \$59.95 and a pink crystal dangle for \$5.75. What is the total in sales?

Answer:



QUESTION 10

A beauty salon's daily takings over a six-day week are \$889.90, \$945.50, \$1555.50, \$2135.50, \$732.50 and \$569.25. What is the total of the week's takings at this salon?

Answer:

Section B: Subtraction

Short-answer questions

Specific instructions to students

- This section will help you to improve your subtraction skills when working with decimals.
- Read the following questions and answer all of them in the spaces provided.
- You may not use a calculator.
- You need to show all working.

QUESTION 1

A customer purchases \$38.65 worth of beauty products. What change will be given from a \$50 note?

Answer:

QUESTION 2

An employee gets paid \$568.50 for a week's work. If \$78.50 is used to pay bills, \$45.75 is paid for petrol and \$126 is spent on entertainment, how much money does the employee have left?

Answer:

QUESTION 3

A customer gets a body detox treatment that includes: cleansing, exfoliating, steaming and extraction, and a treatment gel to smooth and rebalance the skin. The cost is \$63.50. The customer pays with a \$50 and a \$20 note. How much change is given?

Answer:

Unit 8: Percentages

Short-answer questions

Specific instructions to students

- In this unit, you will be able to practise and improve your skills in working out percentages.
- Read the following questions and answer all of them in the spaces provided.
- You may not use a calculator.
- You need to show all working.

10% rule: Move the decimal one place to the left to get 10%.

EXAMPLE

10% of \$45.00 would be \$4.50

QUESTION 1

A bill for make-up for a wedding party comes to \$220.00. The customer has a voucher for a 10% discount.

- a How much will the discount be?

Answer:

- b What will the bill come to after the 10% is deducted?

Answer:

QUESTION 2

A customer has a customised 60-minute facial, a 30-minute massage, full leg waxing, underarm waxing and a bikini wax. In addition, she decides to have a spray tan and a manicure. The total cost comes to \$225.00. A '10% off' voucher is used to reduce the final cost.

- a How much will the discount be?

Answer:

- b How much is the final bill?

Answer:

QUESTION 3

A beauty salon purchases five 90-piece eye shadow, blush, lipstick and powder sets at a cost of \$167.50. The salon is given a 10% discount on the purchase.

- a How much will the discount be?

Answer:

- b What is the final cost?

Answer:

QUESTION 4

A salon manager buys six deluxe acrylic kits for a total wholesale price of \$359.70. A 5% discount is given.

- a How much is the discount worth?

Answer:

- b How much is paid? (Hint: Find 10%, halve it, then subtract it from the overall price.)

Answer:

QUESTION 5

A beauty therapist purchases two compressor and airbrush kits at \$620, a spare airbrush for \$63 and four foundation brushes for \$120.

- a How much is the total?

Answer:

- b How much would a 20% discount be?

Answer:

- c What is the final cost after discount?

Answer:

Unit 10: Earning Wages

Short-answer questions

Specific instructions to students

- This unit will help you to calculate how much a job is worth and how long you need to complete the job.
- Read the following questions and answer all of them in the spaces provided.
- You may not use a calculator.
- You need to show all working.

QUESTION 1

Briony earns \$360.60 net (take home per week). How much does Briony earn per year (52 weeks) if this is her regular weekly salary?

Answer:

QUESTION 2

Christie starts work at 8.00 a.m. and has a break at 10.30 a.m. for 20 minutes. Lunch starts at 12.30 p.m. and finishes at 1.30 p.m. Christie then works through to 4.00 p.m.

a How long are the breaks in total, in minutes?

Answer:

b How many hours and minutes have been worked in total, excluding breaks?

Answer:

QUESTION 3

Lorna earns \$12.50 an hour and works a 38-hour week. How much are her gross earnings (before tax)?

Answer:

QUESTION 4

Melissa gets paid \$411 net for her week's work. From this, she spends money on a brush kit for \$36.95, jewellery worth \$19.55, entertainment for \$95, CDs worth \$59.97 and a callus remover that costs \$12.60.

a What is the total of all money spent?

Answer:

b How much is left?

Answer:

QUESTION 5

Several customers enter a beauty salon at the same time. The staff takes the following amount of time for each customer respectively: 34 minutes, 18 minutes, 7 minutes, 44 minutes and 59 minutes. How much time, in minutes and hours, has been spent on these customers in total?

Answer:

QUESTION 6

A customer requires a full body wrap. This takes the beauty therapist $1\frac{1}{4}$ hours to complete.

a How many minutes is this?

Answer:

b How many hours are left, if the beauty therapist normally works an 8-hour day?

Answer:

