**Assessment Cover Sheet - Knowledge Questions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of student** |  | **Date** |  |
| **Name of assessor** |  | | |
| **Unit/s (code and name)** | FSKNUM014 - Calculate with whole numbers and familiar fractions, decimals and percentages for work | | |
| **Method of assessment** | **Written  Verbal** | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Instructions** | | | | | | | |
| * This assessment consists of 8 questions * Answers must be clear, concise and in your own words * All notes and responses to be done in the spaces provided * You must answer all questions correctly to be deemed satisfactory in this assessment * Re-assessment of any incorrect responses will be undertaken verbally and noted on the assessment * Identified special needs students may be able to undertake this assessment in a slightly different way please speak with your assessor if you believe that you are eligible for a modified assessment item | | | | | | | |
| **Student Declaration**  I declare that no part of this assessment has been copied from another person’s work with the exception of where I have listed or referenced documents or work and that no part of this assessment has been written for me by another person.  Signed: Date: | | | | | | | |
| **EDUCATIONAL ADJUSTMENTS MADE** | | | | | | | |
| **Formatting** | Altered print size and layout  Audio Provided  Images to support text  Simplified language | | | | | | |
| **Time** | Extra Time  Rest Break  Administered in segments | | | | | | |
| **Assistive Technology** | Word Processor  Speech to text  Calculator | | | | | | |
| **Environmental** | Alternate location  Reduced audience  Support person present | | | | | | |
| **Other** |  | | | | | | |
| **Assessor Safety Declaration** | I confirm that I have completed a Safety Audit of the assessment environment prior to the commencement of the assessment process. | | | | | | **Yes  No** |
| **Satisfactory**  **Not Satisfactory** | | | **Due date for reassessment (if required):** |  | | | |
| **Feedback to student:** | | | | | | | |
|  | | | | | | | |
| **Assessor Signature:** | |  | | | **Date:** |  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Fractions: | | | | **Satisfactory/**  **Not Yet Satisfactory** |
| 1. ½ + ½ = | |  | | S  NYS |
| b) 1 – ½ = | |  | | S  NYS |
| 1. 1 – ¾ | |  | | S  NYS |
| 1. ¾ + ¾ = | |  | | S  NYS |
| 1. A baker makes 8 cakes. Each cake is then cut into quarters. How many slices of cakes are then in total? | |  | | S  NYS |
| 1. Complete the missing numbers in the following table: | | | | |
| Fraction | Decimal | | Percentage |  |
| 3/4 | 0.75 | | 75% | S  NYS |
| 1/2 |  | |  | S  NYS |
|  | 0.20 | | 20% | S  NYS |
|  |  | | 25% | S  NYS |
| 1/8 |  | |  | S  NYS |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Use a multiplication question to check the given division (the first one has been completed for you). Complete the division then show how you would check this with a multiplication. | | | | |
| Division | | Multiplication (Checking) | |  |
| 42 ÷ 3 = 14 | | 3 x 14 = 42 | | S  NYS |
| 54 ÷ 9 = | |  | | S  NYS |
| 990 ÷ 10 = | |  | | S  NYS |
| 60 ÷ 12 = | |  | | S  NYS |
| 1. Place value of zero: | | | |  |
| 1. For the number 3098, what does the 0 mean?   0 hundreds  0 tens  0 units  0 thousands | | | | S  NYS |
| 1. For the number 1980, what does the 0 mean?   0 hundreds  0 tens  0 units  0 thousands | | | | S  NYS |
| 1. When completing mathematical calculations you will need to follow the correct Order of Operations e.g.: BOMDAS: Brackets, Orders (e.g.: powers, square root), Multiplication, Division, Addition and Subtraction.   For example, if you were given: 100 - (5 x 42 + 3)  Start inside the Brackets  Do Orders first: 100 – (5 x 16 + 3)  Then Multiply: 100 – (80 + 3)  Then Add: 100 – (83)  Then Subtract: 17 (final answer)  What is the result of the following: | | | |  |
| 1. 8 x 3 - 12 ÷ 4 + 8 | |  | | S  NYS |
| 1. 2 x 8 – 2 x3 + 16+ 4 | |  | | S  NYS |
| 1. 80 - (5 x 22 + 3) | |  | | S  NYS |
| 1. (3 – ½ x 4) x 3 | |  | | S  NYS |
| 1. Two construction workers’ combined income is $3025. If one earns $175 more than the other, find the monthly take-home pay of each. | | | | |
|  | | | | S  NYS |
| 1. You have been asked to estimate the following areas of several rectangular fields. Provide the estimate and then check your answer with a calculator | | | | |
| Field  (length x width) | Estimate | Using a Calculator | Was your result reasonable? Why/why not |  |
| 51m x 20m | 50 x 20 = 1000 metres | 1020 metres | Yes the estimate of 1000 is close to the actual answer 1020 | S  NYS |
| 690m x 100m |  |  |  | S  NYS |
| 82m x 100m |  |  |  | S  NYS |
| 78m x 50m |  |  |  | S  NYS |
| 1. Part of the nutritional information provided on a milk drink includes information about the recommended daily allowances of minerals and vitamins.  |  |  |  | | --- | --- | --- | | Mineral and Vitamins | Per Serving | Percentage of recommended daily allowance | | Iron (mg) | 2.7 | 20% | | Calcium (mg) | 110 | 50% | | Vitamin A (µg) | 105 | 25% | | Vitamin B1 (mg) | 0.18 | 20% | | Vitamin B2 (mg) | 0.14 | 25% | | Sodium (mg) | 49 | 10% | | Potassium (mg) | 120 | 10% | | | | | |
| 1. Calculate how many of the mild drinks you need to drink to provide your recommended daily allowance of calcium. | | | | |
|  | | | | S  NYS |
| 1. Calculate how many of the milk drinks you need to drink to provide your recommended daily allowance of sodium. | | | | |
|  | | | | ☐ S  ☐ NYS |

**Assessment Cover Sheet – Project**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of student |  | | | | | Date | | |  |
| Name of Assessor |  | | | | | | | | |
| Unit/s (code and name) | FSKNUM014 - Calculate with whole numbers and familiar fractions, decimals and percentages for work | | | | | | | | |
| Method of assessment | Project | | | | | | | | |
| **Instructions** | | | | | | | | | |
| * This assessment consists of 3 activities * Answers must be clear, concise and in your own words * You will require access to a computer, internet, and office software e.g., Word * You must show all your working out and answer all questions or complete the activities correctly to be deemed competent in this unit * Re-assessment of any incorrect responses will be undertaken verbally and noted on the assessment * Identified special needs students may be able to undertake this assessment in a slightly different way please speak with your assessor if you believe that you are eligible for a modified assessment item | | | | | | | | | |
| **Student Declaration**  I declare that no part of this assessment has been copied from another person’s work with the exception of where I have listed or referenced documents or work and that no part of this assessment has been written for me by another person.  Signed: Date: | | | | | | | | | |
| **EDUCATIONAL ADJUSTMENTS MADE** | | | | | | | | | |
| Formatting | Altered print size and layout  Audio Provided  Images to support text  Simplified language | | | | | | | | |
| Time | Extra Time  Rest Break  Administered in segments | | | | | | | | |
| Assistive Technology | Word Processor  Speech to text  Calculator | | | | | | | | |
| Environmental | Alternate location  Reduced audience  Support person present | | | | | | | | |
| **Other** |  | | | | | | | | |
| **Assessor Safety Declaration** | I confirm that I have completed a Safety Audit of the assessment environment prior to the commencement of the assessment process. | | | | | | | **Yes  No** | |
| **Satisfactory**  **Not Satisfactory** | | | **Due date for reassessment (if required):** | |  | | | | |
| **Feedback to student:** | | | | | | | | | |
|  | | | | | | | | | |
| **Assessor Signature:** | |  | | **Date:** | | |  | | |

**CONTEXT:**

You have been assigned to organise the next Red Food Day at school.

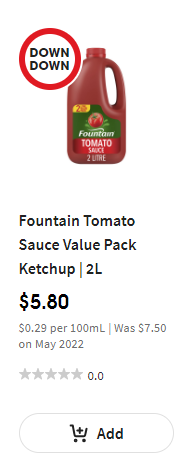
Your group is in charge of purchasing the food supplies for the sausage sizzle and drinks stand.

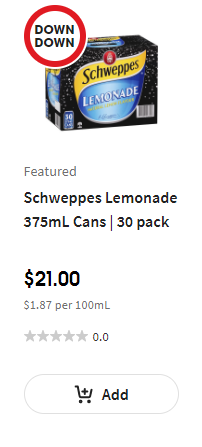
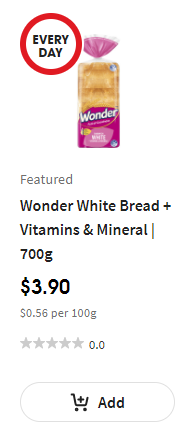
The number of students and staff attending the day is approximately 450.

Usually, only 70% of attendees purchase food on the day.

Your group has been allocated a budget of $600.

Below are the current prices from the Colesonline website. Please ensure that you show your working out with your answer.





**ACTIVITY 1**

|  |  |
| --- | --- |
| 1. Decide on the food stuffs that you will need to order for the sausage sizzle and create a list. | |
|  | S  NYS |
| 1. Calculate how much of each item you will need to purchase if 75% of attendees each purchase one sausage and one soft drink.   Consider:  Sausages come in packs of 24, how many packs will you need to purchase?  Soft drink comes in cartons of 30, how many cartons will you need?  1 loaf of bread has 16 slices, how many loaves of bread will you need?  You will only need 2 bottles of tomato sauce. | |
| Sausages | S  NYS |
| Soft drink | S  NYS |
| Bread | S  NYS |
| Sauce | S  NYS |

**ACTIVITY 2**

|  |  |  |
| --- | --- | --- |
| Refer to the current prices available from the scenario above and calculate how much each of these items costs to purchase in their bulk packages: | | |
| Carton of Soft drink |  | S  NYS |
| Pack of sausages |  | S  NYS |
| Loaf of bread |  | S  NYS |
| Sauce |  | S  NYS |
| Calculate the total costs of each item required on the day | | |
| Soft drink |  | S  NYS |
| Sausages |  | S  NYS |
| Bread |  | S  NYS |
| Sauce |  | S  NYS |

**ACTIVITY 3**

|  |  |
| --- | --- |
| 1. Your group has been allocated a budget of $600.00 for the day. Will there be any leftover funds? If so, how much? | |
|  | S  NYS |