1.8 Order of Operations and Calculator Methods: 10-minute Pack

Calculator allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Calculate and show working: $(14 - 6) \div 2 + 3^2$.

(2)

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2 Multi-step problem. A recipe needs 3^2 grams of sugar and $2 \times (4 + 1)$ grams of flour. What is the total mass of sugar and flour? Give your answer in grams.

(4)

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3 A student uses a calculator and types 50 - 12% = to find 12% of 50. Explain the mistake and give the correct method and answer for 12% of 50.

(3)

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Mark scheme · 1.8 Order of Operations and Calculator Methods: 10-minute Pack

Question 1

method: (14-6)=8 then 8÷2=4 and 3^2=9	**M1**
13 cao	**A1**

Answer: **13**

Question 2

compute sugar: 3^2 = 9 g or recognise 3^2	**M1**
compute flour: 4+1=5 then 2x5=10 g	**M1**
method to add masses: 9 + 10	**M1**
19 g cao	**A1**

Answer: **19 g**

Question 3

states mistake: 50 - 12% subtracts a percent from 50 instead of finding 12% of 50	**M1**
gives correct method: 50 x 0.12 or 12/100 x 50	**M1**
6 cao	**A1**

Answer: **6**

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