Released Assessment Questions, 2017

QUESTIONS

Grade 9 Assessment of Mathematics • Academic

Read the instructions below.

Along with this booklet, make sure you have the *Answer Booklet* and the Formula Sheet.

You may use any space in this book for rough work for multiple-choice questions only.

The diagrams in these booklets are **not** all drawn to scale.

ATTENTION:

Unlike in the actual assessment booklet, the questions in this booklet are sorted by strand.

There are more multiple-choice questions in this booklet than in a regular booklet.

Education Quality and Accountability Office



Continue to read the directions on the cover of the *Answer Booklet*.

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5 A pot of hot soup is placed in a refrigerator to cool. Information about the temperature of the soup at five different times is shown.



Which statement below is true based on the overall trend in the data?

a At 90 minutes, the temperature of the soup will be 0 °C.

b The temperature of the soup decreases at a constant rate. \times

It takes approximately 18 minutes for the soup to cool to half its original temperature.

d There is a greater decrease in temperature between 50 and 80 minutes than between × 10 and 30 minutes.

6 The total cost for an extra large pizza at a restaurant is \$14.50, plus \$1.25 for each topping.

Which of the following equations represents the relationship between the total cost, C, in dollars, and the number of toppings, n?

a *C* = 1.25*n*

b
$$C = 15.75n$$

$$C = 1.25n + 14.50$$

d
$$C = 14.50n + 1.25$$

$$C = 1.25^{1} + 14.50^{1}$$

7 One of the following tables shows information about a linear relationship.

Using first differences, select this table.







Open-Response







