Thursday June 7th, 2012

Download Handout #1 From Website
9.1LastNameEQAOMiniMock1.pdf

Learning Goals:

Today we will attempt a few problems from the 2007 Winter EQAO Test and share our solutions via Apple TV

Mind Buster:
Warm Up
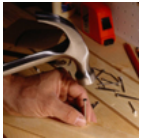
GET READY...

Education Quality and Accountability Office

EQAO

IN 7 DAYS

Unit 9 - EQAO & Exam Prep
Sec. 9.1 - EQAO Mini-Mock Test

Constructive Criticism:
How Can We Improve?

1 The ratio of girls to boys in Mr. Dilworth's music class is 18:12. What percent of the students are boys?

A 12%

B 40%

C 60%

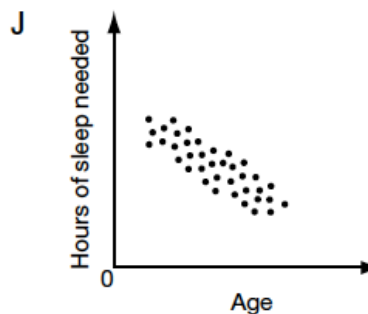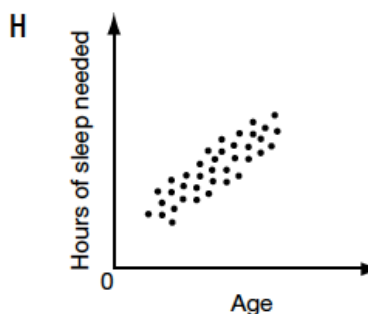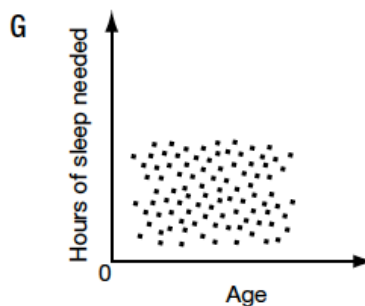D 67%
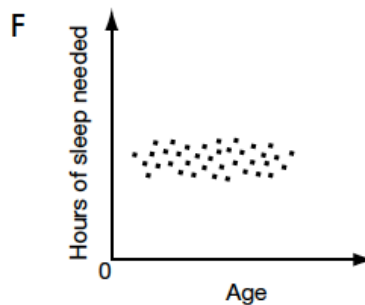
2 Which of the following expressions is equal to 49?

F $(4 + 3)^2$

G $4 + 3^2$

H $(3 + 4^2)$

J $3^2 + 4^2$

3 Sunil surveys 200 students to find out how much sleep they need. He finds that students need less sleep as they get older.

Which scatter plot most likely represents the survey results?

F

G

H

J

Winter 2007 #3

4 Herman uses his scientific calculator to determine the value of the expression $\frac{4}{3}\pi(3.5)^3$.

What is the **approximate** value of this expression?

A   175.0

B   175.1
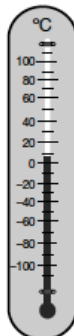
C   179.0

D   179.6

5 The formula

$$B = 100 - \frac{h}{156}$$

gives water's boiling point, B, in degrees Celsius at an altitude of h metres.
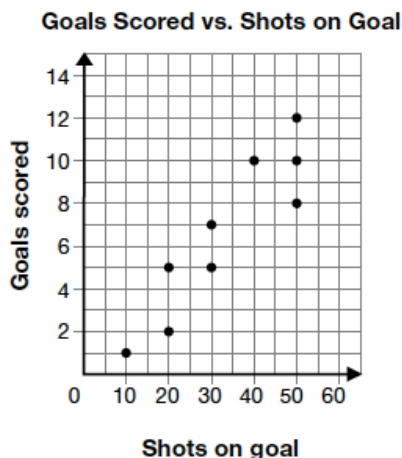
What is the approximate **boiling point of water** at an altitude of 5951 m?

A   38 °C

B   62 °C

C   96 °C

D   156 °C

6 The scatter plot below shows the number of goals scored versus shots on goal by different members of a soccer team during the course of a season.

Goals Scored vs. Shots on Goal

What relationship is shown in the scatter plot?

A There is no relationship between shots on goal and the number of goals scored.

B The number of goals scored decreases as the number of shots on goal increases.

C The number of goals scored increases as the number of shots on goal increases.

D The number of goals scored stays the same no matter how many shots on goal are taken.

7 Which table shows a linear relationship between x and y?

A

x	y
1	1
2	4
3	9
4	16

B

x	y
1	2
2	4
3	8
4	16

C

x	y
1	10
2	20
3	30
4	40

D

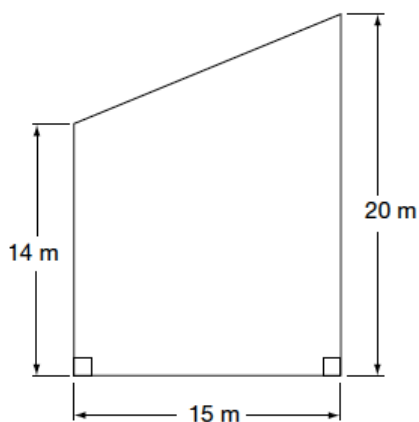| x	y
1	10
2	100
3	1000
4	10000

8 A lawn care company charges its customers based on the size of the lawn. The company uses the following schedule.

Area of lawn	Cost per month
Less than 200 m^2	$50
Between 200 m^2 and 250 m^2	$60
Between 250 m^2 and 300 m^2	$70
Over 300 m^2	$80

The company is caring for Denton's lawn, which has the dimensions shown.
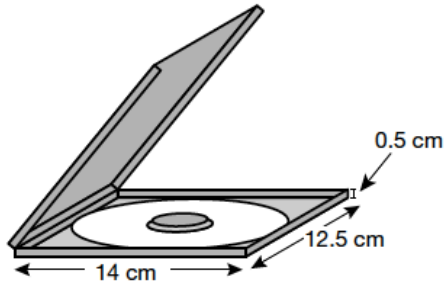

How much should Denton be paying per month?

A $50

B $60

C $70

D $80

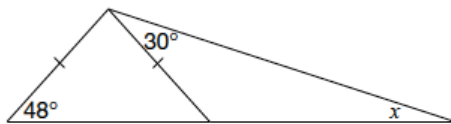**9** A CD case has the dimensions shown in the drawing below.

What is the volume of the CD case?
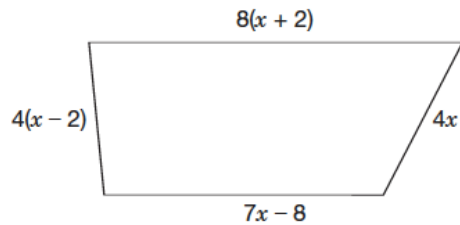
A 26.5 cm^3

B 27 cm^3

C 87.5 cm^3

D 175 cm^3

10 Determine the value of x.

F $x = 18°$

G $x = 30°$

H $x = 48°$

J $x = 78°$

Field Maintenance

A field in the shape of a trapezoid has a perimeter of 460 m. A fence is being built along the field's perimeter.

Determine the length of fencing needed for each side of the field.

Show your work.