

# SECTION X

C Section X

**YOU WILL NEED A CALCULATOR FOR THIS SECTION.**

REMEMBER: You will have to decide whether to use the calculator. For some questions using the calculator is helpful, maybe even necessary, but for other questions the calculator may not be helpful.

You may either use your own calculator or you will be provided with one to use in this section.

If you decide to use the calculator that is provided, the information below explains how to use it.

To turn on the calculator, press ON/AC.

To clear the calculator, press ON/AC or press CE/C twice.

EXAMPLES:

Example	To Solve	Enter/Press These Keys	The Display Will Be	Clear/Press
1.	$4 \times 7.3 \div 2$	4 <span>×</span> 7.3 <span>÷</span> 2 <span>=</span>	14.6	<span>ON/AC</span>
2.	$(80 - 14) \times 6$	80 <span>-</span> 14 <span>=</span> <span>×</span> 6 <span>=</span>	396	<span>ON/AC</span>
		or		
		<span>(</span> 80 <span>-</span> 14 <span>)</span> <span>×</span> 6 <span>=</span>	396	<span>ON/AC</span>
3.	$\sqrt{29}$	29 <span><math>\sqrt{\text{X}}</math></span>	5.3851648	<span>ON/AC</span>
4.	$\pi$	<span><math>\pi</math></span>	3.1415927	<span>ON/AC</span>

If necessary, you can refer to the QUICK REFERENCE CARD on the lid of the calculator provided for more information about how to use it.

4. Use each of the digits 1, 2, 6, and 7 only once to make the following multiplication problem correct.

$$\begin{array}{r} \square \square \square \\ \times \square \\ \hline 4,284 \end{array}$$

7. Melissa saves money for six weeks to buy a sweater.

She records her weekly savings.

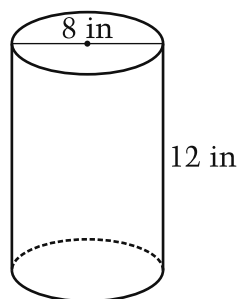
She saves \$2.50 the first week.

Each week, she saves \$1.25 more than she saved the previous week.

Complete the table below to show how much Melissa saves each week.

MELISSA’S SAVINGS BY WEEK

Week	Money Saved (\$)
1	2.50
2	
3	
4	
5	
6	

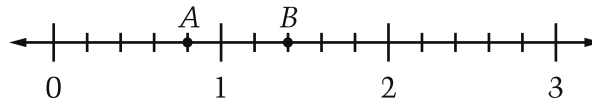


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8. The right circular cylinder above has a diameter of 8 inches and a height of 12 inches.

What is the volume of the cylinder to the nearest cubic inch?

- Ⓐ 151 cubic inches
- Ⓑ 302 cubic inches
- Ⓒ 452 cubic inches
- Ⓓ 603 cubic inches
- Ⓔ 2,413 cubic inches



VE832094

12. Points  $A$  and  $B$  are plotted on the number line above.

(a) What number corresponds to point  $A$  ?

Answer: \_\_\_\_\_

(b) What number corresponds to point  $B$  ?

Answer: \_\_\_\_\_

(c) What number corresponds to the point that is located halfway between point  $A$  and point  $B$  ?

Answer: \_\_\_\_\_

$$F = \frac{9}{5}C + 32$$

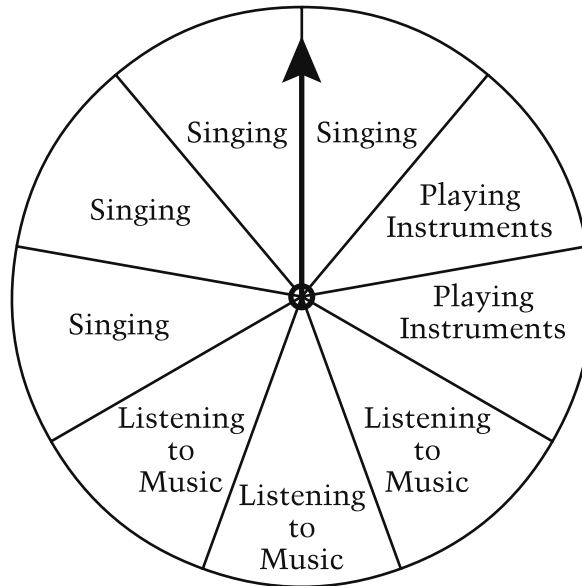
VF024916

13. The equation above shows the relationship between the temperature in degrees Fahrenheit,  $F$ , and the temperature in degrees Celsius,  $C$ .

When the temperature is  $95^{\circ}\text{F}$ , what is the temperature in degrees Celsius?

Answer: \_\_\_\_\_ degrees Celsius

MUSIC CLASS ACTIVITIES



VE835945

14. Mr. Shapiro selects the activity for his music classes by using the spinner above.

The spinner is divided into 9 equal-size sectors.

Mr. Shapiro will teach 225 music classes next marking period.

Approximately how many classes in the next marking period can he expect the activity to be singing?

- Ⓐ 25
- Ⓑ 51
- Ⓒ 56
- Ⓓ 100
- Ⓔ 112