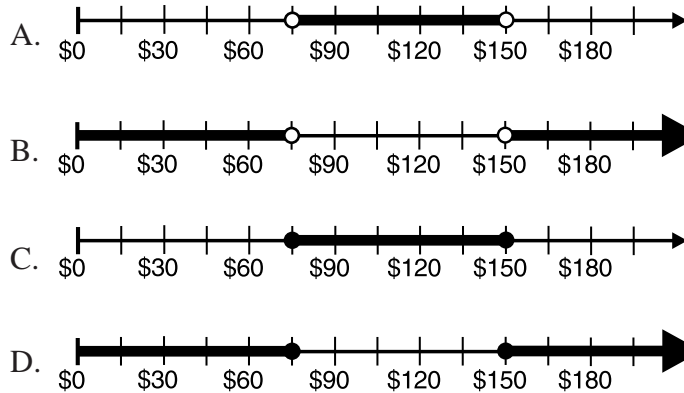


Mathematics, Grade 8

- 21 Imelda will work 10 to 20 hours per week at her new job and will be paid \$7.50 per hour. Which of the following shows how much she can earn per week?



Reporting Category for Item 21: *Patterns, Relations, and Algebra* (p. 286)

- 22 Eva has four sets of straws. The measurements of the straws are given below. Which set of straws could **not** be used to form a triangle?

- A. Set 1: 4 cm, 4 cm, 7 cm
B. Set 2: 2 cm, 3 cm, 8 cm
C. Set 3: 3 cm, 4 cm, 5 cm
D. Set 4: 5 cm, 12 cm, 13 cm

Reporting Category for Item 22: *Geometry* (p. 287)

Session 2, Open-Response Question

- 23 An eighth-grade class took a survey and found that the most popular types of music in their school were alternative rock, rap, and classic rock. They took a second survey to find out the students' preference among these three types of music. These are the results for 120 students.

Favorite Types of Music		
Alternative Rock	Rap	Classic Rock
60	40	20

- Make a rough sketch of a circle graph displaying these data. Tell how many degrees should be in each sector of the graph.
- Explain how you found the number of degrees for each sector.

Reporting Category for Item 23: *Data Analysis, Statistics, and Probability* (p. 288)

