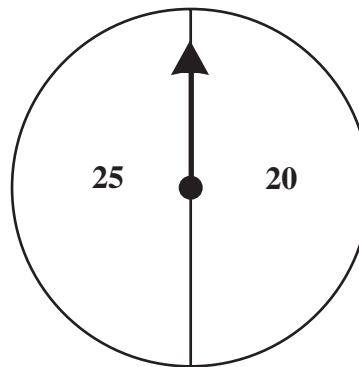
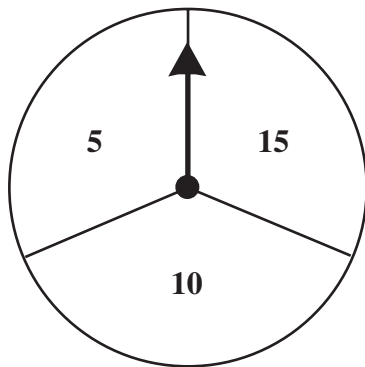


- 5 May Ling has two spinners, as shown below. She will spin each arrow once and add the results.



Which of the following sets represents every possible outcome?

- A. {25, 30, 35, 40}
- B. {15, 20, 25, 30, 35, 40}
- C. {20, 25, 30, 35, 40, 45}
- D. {10, 15, 20, 25, 30, 35, 40, 45, 50}

Reporting Category for Item 5: *Data Analysis, Statistics, and Probability*

## Mathematics, Grade 8

6 The rates that Zack charges for baby-sitting are as follows:

- \$2.50 per hour for the first child and
- an extra 75¢ per hour for each additional child.

Which chart below shows Zack's hourly charges for baby-sitting one, two, and three children?

A.

Number of children	Hourly charges
1	\$2.50
2	\$3.25
3	\$3.25

B.

Number of children	Hourly charges
1	\$3.25
2	\$4.00
3	\$4.75

C.

Number of children	Hourly charges
1	\$2.50
2	\$3.25
3	\$4.00

D.

Number of children	Hourly charges
1	\$3.25
2	\$4.00
3	\$4.00

Reporting Category for Item 6: *Patterns, Relations, and Algebra*

## Mathematics, Grade 8

### Session 1, Short-Answer Questions



- 7 Natalie bought a book that was on sale for 25% off. The regular price of the book was \$18. What was the sale price of the book?

*Reporting Category for Item 7: Number Sense and Operations*

- 8 There are yellow, pink, and purple balloons in a package. If Benjamin takes 1 balloon without looking, the probability that it will be yellow is  $\frac{1}{2}$ . The probability that it will be pink is  $\frac{1}{3}$ . The probability that it will be purple is  $\frac{1}{6}$ . What is the **least** number of balloons that could be in the package?

*Reporting Category for Item 8: Data Analysis, Statistics, and Probability*