

## Reasoning and Problem Solving Compare and Order Denominators

### Developing

1a.  $\frac{5}{8}$

2a. Ben is incorrect because the fractions shown are in descending order. This can be shown by finding the lowest common denominator of the three fractions: 8.

3a. Alice bought the most ribbon as  $\frac{3}{4}$  is the largest fraction. This can be shown by finding the lowest common denominator of the three fractions: 12.

### Expected

4a.  $\frac{2}{5}, \frac{3}{5}$

5a. Tom is incorrect because the fractions are in a random order. This can be shown by finding the lowest common denominator of the three fractions: 24.

6a. Lucy bought the most cotton as  $\frac{3}{4}$  is the largest fraction. This can be shown by finding the lowest common denominator of the three fractions: 20.

### Greater Depth

7a.  $\frac{3}{4}, \frac{4}{5}$

8a. Alice is incorrect because the fractions are in a random order. This can be shown by finding the lowest common denominator of the three fractions: 72.

9a. Alison bought the most material as  $\frac{2}{3}$  is the largest fraction. This can be shown by finding the lowest common denominator of the three fractions: 99.

## Reasoning and Problem Solving Compare and Order Denominators

### Developing

1b.  $\frac{1}{2}, \frac{2}{4}, \frac{3}{6}$

2b. Johnny is incorrect because the fractions are in a random order. This can be shown by finding the lowest common denominator of the three fractions: 6.

3b. Ken bought the most ribbon as  $\frac{2}{3}$  is the largest fraction. This can be shown by finding the lowest common denominator of the three fractions: 6.

### Expected

4b.  $\frac{3}{4}$

5b. Tiffany is incorrect because the fractions are in a random order. This can be shown by finding the lowest common denominator of the three fractions: 12.

6b. Uma bought the most carpet as  $\frac{10}{12}$  is the largest fraction. This can be shown by finding the lowest common denominator of the three fractions: 12.

### Greater Depth

7b.  $\frac{4}{7}, \frac{5}{7}$

8b. Kelly is incorrect because the fractions are in descending order. This can be shown by finding the lowest common denominator of the three fractions: 18.

9b. Vicky bought the most wool as  $\frac{7}{9}$  is the largest fraction. This can be shown by finding the lowest common denominator of the three fractions: 45.