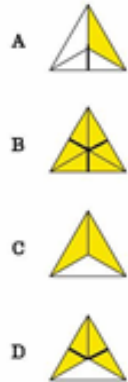
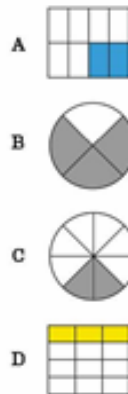


**PRACTICE 1 – 5.2.A**  
Number, operations, and quantitative reasoning

1. Which of the triangles below represents  $\frac{4}{6}$  shaded?



2. Which shaded area does NOT represent  $\frac{1}{4}$  of the figure?



3. Allan ate  $\frac{3}{8}$  of his hamburger at lunch. He took the remainder home for his puppy. Which fraction is equivalent to  $\frac{3}{8}$ ?

- A  $\frac{6}{8}$
- B  $\frac{6}{24}$
- C  $\frac{8}{3}$
- D  $\frac{6}{16}$

4. Mrs. Carlton baked cookies for a school party. The amounts and kinds of cookies she baked are listed in the table below. She baked  $\frac{16}{24}$  dozen of her favorite kind of cookie. Which amount of cookie is equivalent to  $\frac{16}{24}$ ?

Cookies	
Kind of Cookie	Amount Baked
Sugar	$\frac{1}{2}$ doz
Chocolate chip	$\frac{3}{4}$ doz
Coconut	$\frac{1}{3}$ doz
Peanut butter	$\frac{2}{3}$ doz

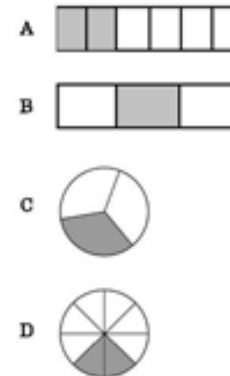
- A Chocolate chip
- B Peanut butter
- C Sugar
- D Coconut

**DIAGNOSTIC TEST – 5.2.A**  
Number, operations, and quantitative reasoning

1. Mr. Turner unpacked  $\frac{5}{6}$  of a case of motor oil. Which fraction is equivalent to  $\frac{5}{6}$ ?

- A  $\frac{2}{3}$
- B  $\frac{6}{5}$
- C  $\frac{10}{12}$
- D  $\frac{5}{12}$

2. Which shaded area does NOT represent  $\frac{2}{6}$  of the figure?

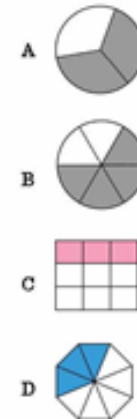


3. Mr. Baylor bought 4 pieces of rope. The different types of each piece of rope are listed in the table below. Mr. Baylor needs to use the piece of rope that is  $\frac{8}{12}$  of a yard long. Which piece of rope has an equivalent length?

Rope	
Type	Length
Twisted	$\frac{1}{2}$ yard
Braided	$\frac{2}{3}$ yard
Plaited	$\frac{1}{3}$ yard
Endless winding	$\frac{3}{5}$ yard

- A Endless winding
- B Braided
- C Plaited
- D Twisted

4. Which model below shows  $\frac{1}{3}$  shaded?



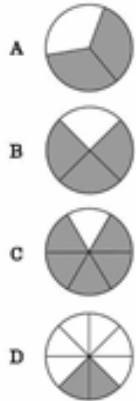
**ASSESSMENT – 5.2.A**  
Number, operations, and quantitative reasoning

1. The table below shows the kinds of fruit used to make a salad. The salad contained  $\frac{5}{8}$  cup of grapes,  $\frac{3}{4}$  cup of raisins,  $\frac{1}{3}$  cup of orange slices,  $\frac{5}{6}$  cup of apple pieces, and various amounts of other kinds of fruit. Which kind of fruit has an equivalent amount to  $\frac{18}{24}$ ?

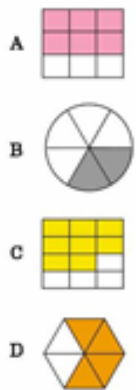
Fruit Salad	
Fruit	Amount
Apples	$\frac{5}{6}$ cup
Raisins	$\frac{3}{4}$ cup
Oranges	$\frac{1}{3}$ cup
Grapes	$\frac{5}{8}$ cup

- A Oranges  
B Apples  
C Grapes  
D Raisins
2. Allison has been saving her allowance to buy a new bicycle. She has saved  $\frac{7}{8}$  of the amount of money she needs to buy the bicycle. Which fraction is equivalent to  $\frac{7}{8}$ ?
- A  $\frac{9}{16}$   
B  $\frac{14}{10}$   
C  $\frac{21}{24}$   
D  $\frac{10}{24}$

3. Which model shows  $\frac{8}{32}$  shaded?

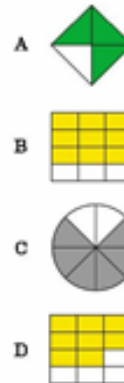


4. Which shaded area does NOT represent  $\frac{2}{3}$  of the region shaded?

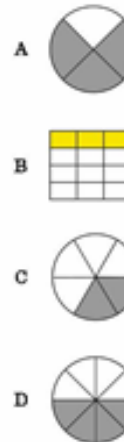


**PRACTICE 2 – 5.2.A**  
Number, operations, and quantitative reasoning

1. Which shaded area does NOT represent  $\frac{12}{16}$  of the figure?



2. Which model shows  $\frac{1}{4}$  of the region shaded?



3. Luke rode his bicycle to school on Wednesday. The school is one mile from his house. He stopped at Juan's house so Juan could ride his bicycle to school with him. Juan's house is  $\frac{3}{5}$  of a mile from their school. Which fraction below is equivalent to  $\frac{3}{5}$ ?

- A  $\frac{6}{10}$   
B  $\frac{12}{20}$   
C  $\frac{6}{15}$   
D  $\frac{5}{10}$

4. Ms. Taylor bought four kinds of lace to place on cloth napkins. The colors and lengths of each piece of lace are listed in the table below. Ms. Taylor needs a piece of lace  $\frac{8}{10}$  of a yard to use on a red napkin. Which color of lace has an equivalent length?

Lace	
Color	Length
Peach	$\frac{1}{2}$ yd
Brown	$\frac{2}{5}$ yd
White	$\frac{2}{3}$ yd
Sky blue	$\frac{4}{5}$ yd

- A White  
B Peach  
C Sky blue  
D Brown