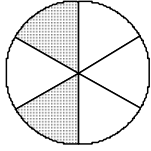


Unit 5 Mid-Unit Assessment
Addition of fractions, mixed number, using models

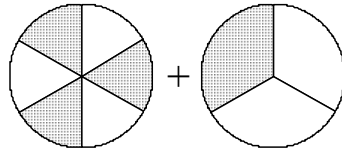
MULTIPLE CHOICE: Choose the correct answer for each of the questions.

___ 1. What fraction of this circle is shaded?



- a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{1}{4}$ d. $\frac{1}{8}$

___ 2. Find the sum of the fractions modeled by these fraction circles.



- a. $\frac{1}{6}$ b. $\frac{2}{3}$ c. $\frac{5}{6}$ d. $\frac{4}{9}$

___ 3. Add: $\frac{1}{6} + \frac{1}{12}$

- a. $\frac{1}{4}$ b. $\frac{1}{3}$ c. $\frac{1}{36}$ d. $\frac{1}{18}$

___ 4. Which 2 sums are greater than 1?

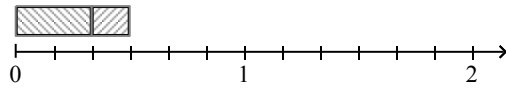
P: $\frac{1}{10} + \frac{8}{10}$ Q: $\frac{6}{7} + \frac{5}{7}$ R: $\frac{2}{5} + \frac{3}{5}$ S: $\frac{7}{8} + \frac{1}{4}$

- a. Q and S b. P and R c. R and S d. P and S

___ 5. Which fraction is equivalent to $\frac{9}{12}$?

- a. $\frac{3}{4}$ b. $\frac{6}{9}$ c. $\frac{12}{15}$ d. $\frac{3}{9}$

___ 6. Write an addition equation for this picture.



a. $\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$

b. $\frac{2}{6} + \frac{1}{6} = \frac{3}{12}$

c. $2 + 1 = 3$

d. $\frac{2}{12} + \frac{1}{12} = \frac{3}{12}$

___ 7. Write $\frac{5}{6}$ with denominator 24.

a. $\frac{20}{24}$

b. $\frac{9}{24}$

c. $\frac{8}{24}$

d. $\frac{23}{24}$

___ 8. There were some pencils in a box. Hessna took $\frac{1}{2}$ and Brian took $\frac{1}{5}$.
What fraction of the pencils was left in the box?

a. $\frac{3}{10}$

b. $\frac{7}{10}$

c. 10

d. $14\frac{2}{7}$

___ 9. Replace \square with the number that completes this addition equation.

$$\frac{4}{5} + \frac{\square}{10} = \frac{17}{10}$$

a. 9

b. 13

c. 8

d. 21

___ 10. Add: $\frac{1}{8} + \frac{1}{10}$

a. $\frac{9}{40}$

b. $\frac{1}{40}$

c. $\frac{8}{9}$

d. $\frac{1}{9}$

___ 11. Add: $\frac{4}{5} + \frac{8}{9}$

a. $1\frac{31}{45}$

b. $2\frac{2}{45}$

c. $\frac{4}{15}$

d. $\frac{6}{7}$

___ 12. Add: $\frac{6}{13} + \frac{9}{13} + \frac{4}{13}$

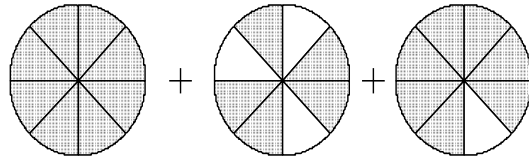
a. $1\frac{6}{13}$

b. $\frac{19}{39}$

c. $16\frac{8}{13}$

d. $5\frac{7}{13}$

___ 13. Find the sum of the fractions modeled by these 3 fraction circles.



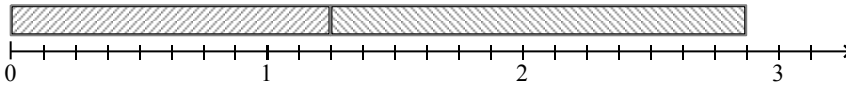
a. $1\frac{3}{4}$

b. $2\frac{1}{2}$

c. $9\frac{1}{2}$

d. 16

___ 14. Find the sum of the fractions modeled by these 2 strips.



a. $3\frac{5}{8}$

b. $3\frac{1}{2}$

c. $3\frac{1}{3}$

d. $2\frac{7}{8}$

___ 15. Add: $4\frac{1}{6} + 3\frac{2}{3}$

a. $7\frac{5}{6}$

b. $7\frac{1}{3}$

c. $7\frac{1}{2}$

d. $7\frac{1}{4}$

___ 16. Add: $\frac{15}{8} + \frac{7}{4}$

a. $3\frac{5}{8}$

b. $2\frac{3}{4}$

c. $1\frac{5}{6}$

d. $14\frac{1}{2}$

PROBLEMS - Please show your work whenever possible.

17. Write $\frac{19}{7}$ as a mixed number.

18. Replace \square with =, <, or > to make this statement true. Explain.

$$1\frac{1}{8} + 2\frac{1}{2} \square 1\frac{1}{2} + 2\frac{1}{3}$$

19. Replace \blacksquare with a number to make this equation true.

$$3\frac{3}{4} + 2\frac{\blacksquare}{8} = 6\frac{3}{8}$$

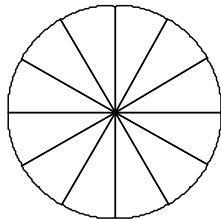
20. Replace x with a number to make this equation true.

$$\frac{3}{6} = \frac{x}{2}$$

21. One page of a magazine has 2 advertisements. One is $\frac{5}{8}$ of the page and the other is $\frac{3}{10}$ of the page. What fraction of the page is covered by the 2 advertisements?

22. Write 2 fractions that are equivalent to $\frac{20}{28}$.

23. Shade $\frac{3}{4}$ of this circle.



Mr. Martinez

Name: _____