



Saint John School
San Juan, San Ildefonso, Bulacan
FIRST MONTHLY TEST
FIRST QUARTER
MATHEMATICS VI

Name: _____ Grade and Section: _____
Teacher: Elizabeth C. Regala Score: _____

I. Find the LCD of each set of fractions, change them to similar fractions and then add. Write the letter of the correct answer on the space provided.

- ____ 1. $\frac{4}{8} + \frac{2}{4} =$
a. 1 b. $\frac{16}{4}$ c. $\frac{14}{2}$ d. $\frac{16}{2}$
- ____ 2. $\frac{3}{6} + \frac{1}{4} =$
a. $\frac{9}{10}$ b. $\frac{3}{4}$ c. $\frac{8}{12}$ d. $\frac{9}{11}$
- ____ 3. $\frac{1}{8} + \frac{4}{6} =$
a. $\frac{17}{24}$ b. $\frac{16}{14}$ c. $\frac{19}{24}$ d. $\frac{19}{35}$
- ____ 4. $\frac{6}{12} + \frac{2}{8} =$
a. $\frac{18}{14}$ b. $\frac{16}{24}$ c. $\frac{20}{20}$ d. $\frac{3}{4}$
- ____ 5. $\frac{6}{14} + \frac{1}{2} =$
a. $\frac{13}{14}$ b. $\frac{14}{16}$ c. $\frac{13}{16}$ d. $\frac{7}{16}$
- ____ 6. $\frac{1}{4} + \frac{1}{3} =$
a. $\frac{2}{7}$ b. $\frac{7}{12}$ c. $\frac{7}{11}$ d. $\frac{1}{12}$
- ____ 7. $\frac{1}{4} + \frac{1}{2} =$
a. $\frac{2}{6}$ b. $\frac{1}{6}$ c. $1\frac{1}{2}$ d. $\frac{3}{6}$
- ____ 8. $\frac{2}{6} + \frac{1}{6} =$
a. $\frac{56}{63}$ b. $\frac{6}{23}$ c. $\frac{59}{71}$ d. $\frac{1}{2}$
- ____ 9. $\frac{2}{4} + \frac{3}{8} =$
a. $\frac{7}{8}$ b. $\frac{5}{12}$ c. $\frac{7}{7}$ d. $\frac{1}{2}$
- ____ 10. $\frac{2}{14} + \frac{3}{14} =$
a. $\frac{5}{14}$ b. $\frac{163}{180}$ c. $\frac{6}{25}$ d. $\frac{1}{8}$

II. Change the following improper fractions into mixed numerals. Write the letter of the correct answer.

- ____ 11. $\frac{8}{5}$
a. $1\frac{5}{5}$ b. $1\frac{3}{5}$ c. $1\frac{5}{3}$ d. $1\frac{1}{2}$
- ____ 12. $\frac{4}{3}$
a. $1\frac{1}{3}$ b. $1\frac{2}{3}$ c. $1\frac{3}{1}$ d. $3\frac{1}{1}$
- ____ 13. $\frac{12}{8}$
a. $1\frac{8}{4}$ b. $4\frac{1}{8}$ c. $1\frac{5}{8}$ d. $1\frac{1}{2}$
- ____ 14. $\frac{20}{6}$
a. $1\frac{20}{6}$ b. $3\frac{6}{2}$ c. $2\frac{2}{6}$ d. $3\frac{1}{3}$

___ 15. $\frac{5}{4}$

a. $2\frac{6}{9}$

b. $9\frac{2}{6}$

c. $6\frac{6}{9}$

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

III. Change each set of fractions and mixed numerals to similar fractions by finding the least common denominator. Write your answer on the space provided.

___ 16. $\frac{3}{6}$ and $\frac{2}{10}$

a. $\frac{15}{30}$ and $\frac{6}{30}$

b. $\frac{15}{20}$ and $\frac{6}{20}$

c. $\frac{3}{30}$ and $\frac{2}{30}$

d. $\frac{20}{30}$ and $\frac{10}{30}$

___ 17. $\frac{5}{7}$ and $\frac{3}{4}$

a. $\frac{28}{20}$ and $\frac{28}{21}$

b. $\frac{20}{28}$ and $\frac{21}{28}$

c. $\frac{5}{11}$ and $\frac{3}{11}$

d. $\frac{7}{5}$ and $\frac{3}{5}$

___ 18. $\frac{5}{16}$ and $\frac{4}{8}$

a. $\frac{5}{20}$ and $\frac{4}{21}$

b. $\frac{5}{24}$ and $\frac{4}{24}$

c. $\frac{5}{16}$ and $\frac{8}{16}$

d. $\frac{16}{5}$ and $\frac{16}{8}$

___ 19. $3\frac{2}{8}$ and $3\frac{2}{24}$

a. $\frac{6}{24}$ and $\frac{2}{24}$

b. $6\frac{6}{24}$ and $6\frac{2}{24}$

c. $\frac{5}{8}$ and $\frac{5}{24}$

d. $3\frac{6}{24}$ and $3\frac{2}{24}$

___ 20. $8\frac{2}{4}$ and $8\frac{6}{16}$

a. $8\frac{8}{16}$ and $8\frac{6}{16}$

b. $8\frac{2}{16}$ and $8\frac{6}{16}$

c. $8\frac{2}{4}$ and $8\frac{6}{16}$

d. $16\frac{2}{24}$ and $16\frac{6}{24}$

___ 21. $3\frac{5}{6}$ and $3\frac{2}{8}$

a. $8\frac{20}{35}$ and $8\frac{6}{35}$

b. $3\frac{20}{24}$ and $3\frac{6}{24}$

c. $3\frac{2}{24}$ and $3\frac{6}{24}$

d. $1\frac{12}{24}$ and $1\frac{16}{24}$

___ 22. $\frac{3}{6}$ and $\frac{2}{9}$

a. $\frac{9}{15}$ and $\frac{4}{15}$

b. $\frac{9}{18}$ and $\frac{4}{18}$

c. $\frac{18}{18}$ and $\frac{18}{18}$

d. $\frac{19}{20}$ and $\frac{18}{20}$

___ 23. $\frac{3}{7}$ and $\frac{2}{3}$

a. $\frac{9}{21}$ and $\frac{14}{21}$

b. $\frac{9}{18}$ and $\frac{4}{18}$

c. $\frac{3}{10}$ and $\frac{2}{10}$

d. $\frac{5}{7}$ and $\frac{3}{7}$

___ 24. $3\frac{2}{3}$ and $3\frac{5}{6}$

a. $3\frac{4}{6}$ and $3\frac{5}{6}$

b. $3\frac{6}{14}$ and $3\frac{5}{14}$

c. $3\frac{6}{24}$ and $3\frac{2}{24}$

d. $3\frac{1}{6}$ and $1\frac{2}{6}$

___ 25. $2\frac{3}{8}$ and $2\frac{4}{32}$

a. $2\frac{12}{32}$ and $2\frac{4}{32}$

b. $2\frac{12}{18}$ and $2\frac{2}{18}$

c. $2\frac{14}{32}$ and $3\frac{4}{32}$

d. $2\frac{13}{32}$ and $2\frac{5}{32}$

I. Express each sum in simplest form. Write the letter of the correct answer on the space provided.

___ 26. $1\frac{1}{8} + 5\frac{3}{8} =$

a. $6\frac{4}{8}$

b. $6\frac{1}{2}$

c. $6\frac{6}{9}$

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

___ 27. $2\frac{12}{16} + 5\frac{8}{16} =$

a. $8\frac{1}{4}$

b. $7\frac{20}{16}$

c. $7\frac{2}{4}$

d. $8\frac{2}{4}$

___ 28. $2\frac{2}{9} + 6\frac{1}{9} =$

a. $8\frac{2}{6}$

b. $8\frac{1}{3}$

c. $8\frac{3}{9}$

d. $7\frac{3}{9}$

____ 29. $8\frac{6}{10} + 1\frac{6}{10} =$

a. $10\frac{1}{5}$

b. $9\frac{12}{10}$

c. $9\frac{6}{5}$

d. $10\frac{3}{4}$

____ 30. $7\frac{2}{6} + 1\frac{5}{6} =$

a. $7\frac{7}{12}$

b. $8\frac{7}{6}$

c. $6\frac{1}{7}$

d. $9\frac{1}{6}$

II. Find the difference of each fraction and simplify if possible. Write the letter of the correct answer on the space provided.

____ 31. $\frac{19}{20} - \frac{15}{20} =$

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

b. $\frac{4}{20}$

c. $\frac{2}{10}$

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

____ 32. $\frac{13}{15} - \frac{8}{15} =$

a. $\frac{5}{10}$

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

c. $\frac{1}{4}$

d. $\frac{5}{15}$

____ 33. $3 - \frac{4}{8} =$

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

b. $3\frac{1}{8}$

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

d. $2\frac{1}{4}$

____ 34. $4 - \frac{3}{13} =$

a. $4\frac{10}{13}$

b. $3\frac{13}{13}$

c. $2\frac{10}{13}$

d. $3\frac{10}{13}$

____ 35. $\frac{18}{40} - \frac{3}{8} =$

a. $\frac{3}{40}$

b. $\frac{2}{40}$

c. $\frac{15}{22}$

d. $\frac{15}{32}$

____ 36. $\frac{7}{8} - \frac{5}{6} =$

a. $\frac{1}{24}$

b. 1

c. $\frac{10}{4}$

d. $\frac{2}{5}$

____ 37. $\frac{5}{8} - \frac{1}{4} =$

a. $\frac{11}{28}$

b. $\frac{3}{8}$

c. $\frac{5}{7}$

d. $\frac{11}{42}$

____ 38. $\frac{18}{30} - \frac{15}{30} =$

a. $\frac{1}{10}$

b. $\frac{3}{30}$

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

d. $\frac{2}{4}$

____ 39. $11\frac{8}{15} - 3\frac{3}{15} =$

a. $8\frac{1}{3}$

b. $8\frac{5}{15}$

c. $6\frac{6}{9}$

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

____ 40. $15\frac{8}{20} - 10\frac{4}{20} =$

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

b. $5\frac{4}{20}$

c. $5\frac{5}{20}$

d. $5\frac{6}{8}$