

Name: _____

Unit 1 Test MUM

1.) Which equation below gives the correct value of $\frac{3}{4} + \frac{1}{3} + \frac{4}{6}$?

A.) $\frac{3}{6} + \frac{2}{6} + \frac{4}{6} = \frac{9}{6}$

B.) $\frac{3}{4} + \frac{1}{3} + \frac{4}{6} = \frac{8}{13}$

C.) $\frac{9}{12} + \frac{4}{12} + \frac{8}{12} = \frac{21}{12}$

2.) Anna lives $\frac{4}{5}$ mile from her grandmas. On her way to her grandmas she rides her bike $\frac{1}{3}$ mile then got a flat tire. She jogged $\frac{2}{5}$ of a mile, and then walked the rest of the way. How far did Anna walk?

A.) $\frac{1}{5}$

B.) $\frac{7}{15}$

C.) $\frac{11}{15}$

D.) $\frac{1}{15}$

3.) Solve.

$$5\frac{1}{4} + 6\frac{3}{6} - 1\frac{2}{3}$$

4.) Blake has to feed his horses 9 barrels of hay. He can only carry $3\frac{10}{12}$ barrels in one trip. He makes two trips to feed the horses. How many more of the barrels does he need to give the horses? Write your answer in simplest form.

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B.) $\frac{3}{4} + \frac{1}{3} + \frac{4}{6} = \frac{8}{13}$

C.) $\frac{9}{12} + \frac{4}{12} + \frac{8}{12} = \frac{21}{12}$

2.) Anna lives $\frac{4}{5}$ mile from her grandmas. On her way to her grandmas she rides her bike $\frac{1}{3}$ mile then got a flat tire. She jogged $\frac{2}{5}$ of a mile, and then walked the rest of the way. How far did Anna walk?

A.) $\frac{1}{5}$

B.) $\frac{7}{15}$

C.) $\frac{11}{15}$

D.) $\frac{1}{15}$

3.) Solve.

$$5\frac{1}{4} + 6\frac{3}{6} - 1\frac{2}{3}$$

$$10\frac{1}{12}$$

4.) Blake has to feed his horses 9 barrels of hay. He can only carry $3\frac{10}{12}$ barrels in one trip. He makes two trips to feed the horses. How many more of the barrels does he need to give the horses? Write your answer in simplest form.

$$3\frac{10}{12} + 3\frac{10}{12} = 6\frac{20}{12} = 7\frac{8}{12}$$

$$- \frac{9}{12}$$

$$1\frac{4}{12} = 1\frac{1}{3}$$

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5.) What is the difference between $8\frac{1}{8}$ and $2\frac{3}{4}$?

6.) Fill in the missing fraction or mixed number in each equation.

A.) _____ + $\frac{2}{8}$ = $\frac{3}{4}$

B.) $3\frac{2}{5}$ + _____ = 4

7.) **Part A:** In a basket of fruit, $\frac{1}{5}$ of them are oranges and $\frac{1}{2}$ of them are apples. What fraction of the basket are oranges and apples?

Part B: What fraction of the basket of fruit is NOT oranges or apples?

8.) What is the sum of $\frac{2}{3}$ and $\frac{5}{6}$? ****Write your answer as a mixed number!****

9.) Jacob is working on his homework. He completes $\frac{1}{3}$ of his homework before school. After school he completes another $\frac{2}{8}$ of his homework before dinner. What total fraction of his homework did Jacob complete before dinner?

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5.) What is the difference between $8\frac{1}{8}$ and $2\frac{3}{4}$?

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

6.) Fill in the missing fraction or mixed number in each equation.

A.) $\frac{6}{8}$ + $\frac{2}{8}$ = $\frac{3}{4}$

B.) $3\frac{2}{5}$ + $\frac{3}{5}$ = 4

7.) **Part A:** In a basket of fruit $\frac{1}{5}$ of them are oranges and $\frac{1}{2}$ of them are apples. What fraction of the basket are oranges and apples?

$$\frac{7}{10}$$

Part B: What fraction of the basket of fruit is NOT oranges or apples?

$$\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$$

8.) What is the sum of $\frac{2}{3}$ and $\frac{5}{6}$? ****Write your answer as a mixed number!****

$$\frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$$

9.) Jacob is working on his homework. He completes $\frac{1}{3}$ of his homework before school. After school he completes another $\frac{2}{8}$ of his homework before dinner. What total fraction of his homework did Jacob complete before dinner?

$$\frac{1}{3} + \frac{2}{8} = \frac{14}{24} = \frac{7}{12}$$