

Name: LOZ Class: Math Date: 11-5-20

ID: A

Ch 3 Test

D 1. Add the fractions.

$$\frac{2}{5} + \frac{1}{6}$$

A. $\frac{1}{15}$

B. $\frac{3}{11}$

C. $\frac{5}{12}$

D. $\frac{17}{30}$

D 2. Use benchmarks to estimate the difference between $\frac{5}{6}$ and $\frac{3}{5}$.

A. 0

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

C. 1

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

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D

3. Which is $28 \div 12$ expressed as a mixed number?

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

B. $1\frac{4}{12}$

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

D. $2\frac{4}{12}$

4. Express $\frac{17}{25}$ as a decimal. 0.17

5. Express $22 \div 5$ as a decimal. 4.2

C

6. Add $2\frac{1}{5}$ and $7\frac{2}{7}$. Which is the sum in simplest form?

A. $9\frac{1}{4}$

B. $10\frac{27}{35}$

C. $9\frac{17}{35}$

D. $10\frac{27}{35}$

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D 7. Subtract $4\frac{2}{3}$ from $9\frac{7}{8}$. Which is the difference in simplest form?

A. $2\frac{17}{24}$

B. $4\frac{5}{24}$

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

☒ D. $5\frac{5}{24}$

B 8. Use benchmarks to estimate the sum of $4\frac{7}{12}$ and $6\frac{1}{4}$.

A. 10

☒ B. $10\frac{1}{2}$

C. 11

D. $11\frac{1}{2}$

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9. Estimate the difference between $27\frac{2}{3}$ and $19\frac{3}{4}$.

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

B. 8

C. $8\frac{1}{2}$

D. 9

B

10. A bean plant was $\frac{2}{3}$ meter tall last week. It grew $\frac{1}{5}$ meter taller this week. How tall is it now?

A. $\frac{3}{8}$ meter

B. $\frac{13}{15}$ meter

C. $\frac{7}{15}$ meter

D. $\frac{1}{5}$ meter

11. Mrs. Fisher mixed $\frac{7}{8}$ kilogram of flour with $\frac{1}{3}$ kilogram of water to make some dough. What is the approximate mass of the dough?

$$\frac{7}{8} \times \frac{3}{3} = \frac{21}{24} \quad \frac{1}{3} \times \frac{8}{8} = \frac{8}{24}$$

$$\frac{21}{24} + \frac{8}{24} = \frac{29}{24} = 1\frac{5}{24}$$

The approximate mass of dough is $1\frac{1}{2}$

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- B 12. A team of construction workers mixed $10\frac{1}{2}$ tons of cement. They used $7\frac{5}{6}$ tons of cement to pave some pathways. How much cement is left?

A. $2\frac{1}{3}$ tons

B. $2\frac{2}{3}$ tons

C. $3\frac{1}{3}$ tons

D. $3\frac{2}{3}$ tons

- C 13. Use benchmarks to estimate the sum of $\frac{3}{5}$ and $\frac{5}{6}$

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

B. 1

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

D. 2

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C 14. Use benchmarks to estimate the difference of $\frac{5}{8}$ and $\frac{3}{5}$

A. 0

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

☒ C. 1

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

B 15. What is 0.35 as a fraction?

A. $\frac{35}{10}$

☒ B. $\frac{35}{50}$

C. $\frac{7}{20}$

D. $\frac{14}{50}$

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16. Express $37 \div 10$ as a mixed number and a decimal.

☒ A. $3\frac{7}{10}$ and 3.7

B. $3\frac{17}{100}$ and 3.07

C. $37\frac{1}{10}$ and 37.1

D. $\frac{10}{37}$ and 0.37

B

17. Randy read a story for English over three days. He spent $1\frac{1}{3}$ hours, $2\frac{1}{4}$ hours, and $1\frac{4}{5}$ hours reading on these days. What is the best estimate of the time it took him to read the story?

A. $4\frac{1}{2}$ hours

☒ B. $5\frac{1}{2}$ hours

C. $6\frac{1}{2}$ hours

D. 7 hours