Grade 5 test

Name: _____ Date: _____ Score: _____ / 19

Work out each answer and write it as a simplified fraction.

Example $\frac{9}{8} + \frac{7}{12} = \frac{27}{24} + \frac{14}{24} = \frac{41}{24}$

1. $\frac{2}{3} + \frac{2}{7} = \frac{\square}{\square}$

2. $\frac{4}{3} - \frac{3}{7} = \frac{\square}{\square}$

3. $\frac{19}{11} - \frac{3}{2} = \frac{\square}{\square}$

4. $\frac{1}{5} + \frac{3}{2} = \frac{\square}{\square}$

5. $\frac{1}{3} + \frac{11}{8} = \frac{\square}{\square}$

Find the smallest common denominator.

Example Common denominator of $\frac{1}{6}$, $\frac{7}{12}$ = **12**

6. Common denominator of $\frac{7}{9}$, $\frac{1}{3}$ = $\square$

7. Common denominator of $\frac{1}{2}$, $\frac{8}{11}$ = $\square$

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Multiply the fractions and simplify the result.

Example $3 \times \frac{6}{7} = \frac{\mathbf{18}}{\mathbf{7}}$

8. $\frac{1}{5} \times 3 = \frac{\square}{\square}$

9. $5 \times \frac{2}{5} = \frac{\square}{\square}$

10. $\frac{10}{7} \times 3 = \frac{\square}{\square}$

11. $\frac{17}{9} \times 2 = \frac{\square}{\square}$

Divide the fractions and simplify the result.

Example $2 \div \frac{3}{2} = \frac{\mathbf{4}}{\mathbf{3}}$

12. $5 \div \frac{11}{9} = \frac{\square}{\square}$

13. $2 \div \frac{15}{11} = \frac{\square}{\square}$

14. $2 \div \frac{9}{8} = \frac{\square}{\square}$

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Read each problem, solve it and write the answer.

Example Ethan has 7/10 of the piece of cloth and cuts that part into equal pieces for 2 customers. What fraction of the piece of cloth does each customer get? **Each customer gets 7/20 of the piece of cloth.**

15 Emma spent 12 dollars, which is equal to 3/7 of all the dollars Emma had. How many dollars did Emma have at first?

Answer: _____

16 A bus carries 22 passengers. At the first stop, 3/11 of them get off. How many passengers get off?

Answer: _____

17 In the garden, Ethan cuts 10 melons and shares them equally among 6 friends. How much does each friend get?

Answer: _____

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18 Ethan reads 1/2 of the book on Monday and 3/8 of the book on Tuesday. What fraction of the book has Ethan read in total?

Answer: _____

19 Mia has 48 oranges to cook with and uses 5/12 of them. How many oranges does Mia have left?

Answer: _____