

ADDING MIXED NUMBERS WITH UNLIKE DENOMINATORS

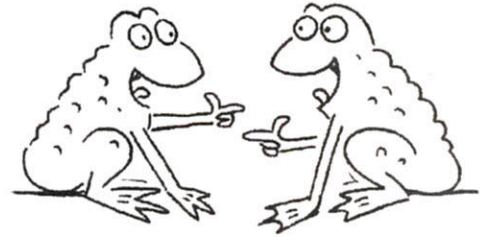
NAME _____

Answer Key

DATE _____

Riddle 24

What do frogs say when they meet each other?



What To Do

Solve the addition problems below. Write your answers in simplest terms. Match each answer to a letter in the Key. Then write the letter in the space above its problem number to find the answer to the riddle.

- 1** $2\frac{1}{2} + 4\frac{1}{4} = 6\frac{3}{4}$ **U** **6** $8\frac{3}{5} + 2\frac{7}{15} = 10\frac{16}{15} = 11\frac{1}{15}$ **W**
2 $4\frac{1}{5} + 3\frac{3}{10} = 7\frac{5}{10} = 7\frac{1}{2}$ **T** **7** $3\frac{3}{7} + 4\frac{6}{21} = 7\frac{15}{21} = 7\frac{5}{7}$ **Y**
3 $6\frac{2}{3} + 5\frac{1}{6} = 11\frac{5}{6}$ **H** **8** $5\frac{2}{6} + 1\frac{4}{30} = 6\frac{14}{30} = 6\frac{7}{15}$ **M**
4 $1\frac{1}{8} + 3\frac{3}{4} = 4\frac{7}{8}$ **W** **9** $10\frac{1}{2} + 6\frac{1}{8} = 16\frac{5}{8}$ **I**
5 $7\frac{2}{9} + 4\frac{5}{12} = 11\frac{23}{36}$ **O** **10** $9\frac{5}{6} + 3\frac{1}{9} = 12\frac{17}{18}$ **E**

Key

- | | | |
|---------------------------|---------------------------|---------------------------|
| $12\frac{13}{18}$ A | $6\frac{3}{4}$ U | $7\frac{1}{2}$ T |
| $7\frac{5}{7}$ Y | $4\frac{5}{8}$ P | $6\frac{2}{3}$ M |
| $4\frac{7}{8}$ W | $11\frac{5}{6}$ H | $16\frac{5}{8}$ I |
| $6\frac{7}{15}$ N | $11\frac{1}{15}$ W | $11\frac{1}{6}$ J |
| $10\frac{27}{50}$ I | $12\frac{17}{18}$ E | $11\frac{23}{36}$ O |

Riddle Answer

"Warts N E W W I T H Y O U?"
8 **10** **6** **4** **9** **2** **3** **7** **5** **1**

SUBTRACTING MIXED NUMBERS WITH UNLIKE DENOMINATORS

NAME Answer Key

DATE _____

Riddle 25

What kind of horse always looks fashionable?



What To Do

Solve the subtraction problems below. Write your answers in simplest terms. Match each answer to a letter in the Key. Then write the letter in the space above its problem number to find the answer to the riddle.

- | | |
|--|--|
| <p>① $6\frac{3}{4} - 4\frac{1}{2} = \frac{6\frac{3}{4}}{-4\frac{2}{4}} = 2\frac{1}{4}$ T</p> | <p>⑥ $7\frac{3}{5} - 4\frac{1}{3} = \frac{7\frac{9}{15}}{-4\frac{5}{15}} = 3\frac{4}{15}$ O</p> |
| <p>② $5\frac{3}{8} - 2\frac{1}{4} = \frac{5\frac{3}{8}}{-2\frac{2}{8}} = 3\frac{1}{8}$ R</p> | <p>⑦ $15\frac{2}{5} - 9\frac{2}{7} = \frac{15\frac{14}{35}}{-9\frac{10}{35}} = 6\frac{4}{35}$ H</p> |
| <p>③ $9\frac{4}{6} - 7\frac{1}{3} = \frac{9\frac{4}{6}}{-7\frac{2}{6}} = 2\frac{2}{6} = 2\frac{1}{3}$ O</p> | <p>⑧ $8\frac{5}{6} - 4\frac{4}{5} = \frac{8\frac{25}{30}}{-4\frac{24}{30}} = 4\frac{1}{30}$ S</p> |
| <p>④ $12\frac{1}{2} - 8\frac{3}{8} = \frac{12\frac{4}{8}}{-8\frac{3}{8}} = 4\frac{1}{8}$ E</p> | <p>⑨ $14\frac{9}{11} - 3\frac{3}{4} = \frac{14\frac{36}{44}}{-3\frac{33}{44}} = 11\frac{3}{44}$ H</p> |
| <p>⑤ $10\frac{2}{3} - 5\frac{1}{4} = \frac{10\frac{8}{12}}{-5\frac{3}{12}} = 5\frac{5}{12}$ X</p> | <p>⑩ $20\frac{8}{9} - 13\frac{2}{3} = \frac{20\frac{8}{9}}{-13\frac{2}{9}} = 7\frac{2}{9}$ S</p> |

Key

- | | | |
|-------------------------|--------------------------|-------------------------|
| $3\frac{3}{8}$ U | $6\frac{4}{35}$ H | $7\frac{2}{9}$ S |
| $4\frac{1}{8}$ E | $4\frac{1}{30}$ S | $6\frac{7}{35}$ D |
| $2\frac{1}{3}$ O | $2\frac{1}{2}$ A | $3\frac{4}{15}$ O |
| $2\frac{1}{4}$ T | $3\frac{1}{8}$ R | $2\frac{2}{3}$ M |
| $5\frac{7}{12}$ X | $11\frac{3}{44}$ H | $5\frac{5}{12}$ E |

Riddle Answer

A c l O T H E S H O R S E
 ⑥ ① ⑨ ⑤ ⑩ ⑦ ③ ② ⑧ ④

MULTIPLYING FRACTIONS BY FRACTIONS

NAME _____

DATE _____

Riddle 30

What is a frog's favorite shoe?



What To Do

Solve the multiplication problems below. Write your answers in simplest terms. Match each answer to a letter in the Key. Then write the letter in the space above its problem number to find the answer to the riddle.

① $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$ O

⑥ $\frac{2}{9} \times \frac{1}{2} = \frac{1}{9}$ T

② $\frac{3}{4} \times \frac{1}{7} = \frac{3}{28}$ A

⑦ $\frac{2}{4} \times \frac{3}{7} = \frac{6 \div 2}{28 \div 2} = \frac{3}{14}$ N

③ $\frac{2}{5} \times \frac{3}{8} = \frac{3}{20}$ D

⑧ $\frac{3}{4} \times \frac{2}{6} = \frac{1}{4}$ L

④ $\frac{4}{7} \times \frac{2}{3} = \frac{8}{21}$ A

⑨ $\frac{6}{9} \times \frac{3}{5} = \frac{16 \div 3}{15 \div 3} = \frac{2}{5}$ D

⑤ $\frac{1}{8} \times \frac{5}{6} = \frac{5}{48}$ A

⑩ $\frac{3}{8} \times \frac{5}{7} = \frac{15}{56}$ S

Key

$\frac{1}{9}$ T	$\frac{18}{56}$ F	$\frac{3}{28}$ A
$\frac{8}{21}$ A	$\frac{2}{5}$ D	$\frac{1}{8}$ H
$\frac{7}{48}$ E	$\frac{3}{14}$ N	$\frac{5}{48}$ A
$\frac{3}{20}$ D	$\frac{8}{23}$ G	$\frac{3}{4}$ I
$\frac{1}{6}$ O	$\frac{15}{56}$ S	$\frac{1}{4}$ L

Riddle Answer

An open- T O A D S A N D A L
⑥ ① ④ ⑨ ⑩ ② ⑦ ③ ⑤ ⑧

SUBTRACTING FRACTIONS WITH UNLIKE DENOMINATORS

NAME _____

DATE _____

Riddle 21

What did the orangutan call his wife?



What To Do

Solve the subtraction problems below. Write your answers in simplest terms. Match each answer to a letter in the Key. Then write the letter in the space above its problem number to find the answer to the riddle.

- | | |
|--|---|
| 1 $\frac{7}{10} - \frac{2}{5} = \frac{7}{10} - \frac{4}{10} = \frac{3}{10}$ M | 6 $\frac{10}{24} - \frac{3}{8} = \frac{10}{24} - \frac{9}{24} = \frac{1}{24}$ A |
| 2 $\frac{3}{4} - \frac{1}{2} = \frac{3}{4} - \frac{2}{4} = \frac{1}{4}$ M | 7 $\frac{28}{36} - \frac{4}{6} = \frac{28}{36} - \frac{24}{36} = \frac{4}{36} = \frac{1}{9}$ P |
| 3 $\frac{5}{6} - \frac{1}{3} = \frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$ E | 8 $\frac{7}{16} - \frac{1}{4} = \frac{7}{16} - \frac{4}{16} = \frac{3}{16}$ I |
| 4 $\frac{13}{15} - \frac{2}{3} = \frac{13}{15} - \frac{10}{15} = \frac{3}{15} = \frac{1}{5}$ E | 9 $\frac{48}{50} - \frac{20}{25} = \frac{48}{50} - \frac{40}{50} = \frac{8}{50} = \frac{4}{25}$ T |
| 5 $\frac{9}{12} - \frac{3}{4} = \frac{9}{12} - \frac{9}{12} = 0$ R | 10 $\frac{20}{42} - \frac{3}{7} = \frac{20}{42} - \frac{18}{42} = \frac{2}{42} = \frac{1}{21}$ S |

Key

- | | | |
|------------------------|------------------------|------------------------|
| $\frac{1}{24}$ A | $\frac{1}{5}$ E | $\frac{1}{9}$ P |
| $\frac{1}{8}$ W | $\frac{4}{25}$ T | $\frac{3}{5}$ S |
| $\frac{1}{21}$ S | $\frac{1}{25}$ O | $\frac{5}{16}$ K |
| $\frac{1}{2}$ E | $\frac{3}{10}$ M | 0 R |
| $\frac{1}{4}$ M | $\frac{3}{16}$ I | $\frac{1}{15}$ N |

Riddle Answer

Hi S P R I M E - M A T E
 10 7 5 8 1 3 2 6 9 4

