3-5 Homework

Name _____ Date _____

Multiply. Simplify first if you can.

1. $\frac{2}{5} \cdot \frac{6}{7} =$ _____

2. $\frac{4}{9} \cdot \frac{1}{8} =$ _____

3. $\frac{5}{24} \cdot \frac{8}{15} =$ _____

4. $\frac{2}{17} \cdot \frac{8}{1} =$ _____

5. $\frac{3}{4} \cdot \frac{12}{25} =$ _____

6. $\frac{5}{7} \cdot \frac{3}{8} =$ _____

7. $\frac{3}{10} \cdot \frac{2}{3} =$ _____

8. $\frac{5}{16} \cdot \frac{2}{25} =$ _____

9. $\frac{4}{35} \cdot \frac{7}{12} =$ _____

10. $\frac{5}{6} \cdot \frac{7}{1} =$ _____

11. $\frac{7}{9} \cdot \frac{6}{49} =$ _____

12. $\frac{7}{8} \cdot \frac{2}{3} =$ _____

13. Which fraction is not equivalent to the others?

$\frac{3}{15}$ $\frac{2}{10}$ $\frac{1}{5}$ $\frac{9}{45}$ $\frac{10}{50}$ $\frac{6}{40}$ $\frac{7}{35}$ $\frac{100}{500}$

Solve. *Show your work*

14. In the town zoo, $\frac{3}{28}$ of the animals are birds. Of the birds, $\frac{4}{15}$ are birds of prey. What fraction of the animals at the zoo are birds of prey?

_____

15. Tuesday at the zoo, $\frac{5}{12}$ of the visitors were adults. Of these adults, $\frac{3}{10}$ were men. What fraction of the people who visited the zoo on Tuesday were men?

_____

16. On Tuesday, $\frac{14}{25}$ of the souvenirs purchased at the zoo gift shop were stuffed animals. Of the stuffed animals purchased, $\frac{10}{21}$ were bears. What fraction of the souvenirs purchased at the zoo gift shop on Tuesday were stuffed bears?

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3-5 Name _____ Date _____

Remembering

Add or subtract.

1. $1\frac{4}{5} + 5\frac{2}{5}$

2. $5\frac{1}{6} + 3\frac{5}{6}$

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

4. $\frac{3}{4} + \frac{5}{4}$

5. $7\frac{8}{9} - 3\frac{5}{9}$

6. $6 - 4\frac{1}{2}$

Subtract.

7. 31,763 − 6.51 = _____

8. 132.76 − 87.24 = _____

9. 968.29 − 217.5 = _____

10. Use the number line to find $\frac{3}{4} \cdot \frac{2}{5}$. Label all the parts above and below.

$\frac{3}{4} \cdot \frac{2}{5} =$ _____

11. Stretch Your Thinking Write a word problem that will use the equation $\frac{2}{6} \cdot \frac{8}{10} = x$ in order to solve. Then simplify and multiply to solve.

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