Name _____ Date _____ Class _____

LESSON 3-9

Problem Solving

Adding and Subtracting Mixed Numbers

Write the correct answer.

1. A female gray whale is $45\frac{1}{4}$ feet long. A male gray whale is $43\frac{1}{2}$ feet long. How much longer is the female than the male gray whale?

_____

2. At birth, a pilot whale is $4\frac{3}{5}$ feet long. A newborn gray whale is $15\frac{1}{4}$ feet long. How much longer is the newborn gray whale?

_____

3. A manatee weighs $\frac{1}{2}$ ton. A walrus weighs $1\frac{3}{4}$ tons. A narwhal weighs $1\frac{1}{2}$ tons. What is the total weight of all 3 animals?

_____

4. A bottle-nosed dolphin can leap $15\frac{1}{8}$ feet out of the water. The world record high jump for a human is $8\frac{1}{24}$ feet. How much higher can a dolphin leap than a human?

_____

Choose the letter for the best answer.

5. At a wildlife park, the killer whale show lasts $\frac{5}{8}$ of an hour. The guided tour of the park takes $2\frac{1}{2}$ hours. How long will it take to do both activities?
   - **A** $3\frac{1}{8}$ hours
   - **B** $2\frac{5}{8}$ hours
   - **C** $3\frac{5}{8}$ hours
   - **D** $1\frac{7}{8}$ hours

6. Jeremy walks $3\frac{1}{2}$ miles while visiting a wildlife park. Shawna hikes a $4\frac{3}{8}$-mile long nature trail. How much farther does Shawna walk?
   - **F** $\frac{3}{8}$ of a mile
   - **G** $\frac{5}{8}$ of a mile
   - **H** $\frac{7}{8}$ of a mile
   - **J** $1\frac{1}{8}$ of a mile

7. Dog food comes in $5\frac{7}{8}$-pound bags and $12\frac{3}{4}$-pound bags. Find the total weight of 2 small and 1 large bags.
   - **A** $22\frac{7}{8}$ pounds
   - **B** $23\frac{1}{2}$ pounds
   - **C** $24\frac{1}{2}$ pounds
   - **D** $25\frac{3}{4}$ pounds

8. A movie lasts $2\frac{1}{6}$ hours. A baseball game lasts $3\frac{2}{3}$ hours. How much longer does the game last?
   - **F** $\frac{5}{6}$ hours
   - **G** $1\frac{1}{6}$ hours
   - **H** $1\frac{1}{3}$ hours
   - **J** $1\frac{1}{2}$ hours

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