

MY Homework

Lesson 9

Estimate Sums and Differences

Homework Helper



Need help? connectED.mcgraw-hill.com

Estimate $3\frac{5}{8} - 1\frac{1}{8}$.

Round each mixed number to the nearest whole number.

$\frac{5}{8}$ is greater than $\frac{1}{2}$.

So, $3\frac{5}{8}$ rounds up to 4.

$\frac{1}{8}$ is less than $\frac{1}{2}$.

So, $1\frac{1}{8}$ rounds down to 1.

$$\begin{aligned} 3\frac{5}{8} - 1\frac{1}{8} &\approx 4 - 1 \\ &\approx 3 \end{aligned}$$

So, $3\frac{5}{8} - 1\frac{1}{8}$ is about 3.

Practice

Estimate by rounding each mixed number to the nearest whole number.

1. $2\frac{1}{5} + 6\frac{4}{5}$

2. $6\frac{5}{12} - 2\frac{1}{12}$

3. $11\frac{8}{9} + 4\frac{1}{3}$

4. $7\frac{1}{6} - 5\frac{3}{4}$

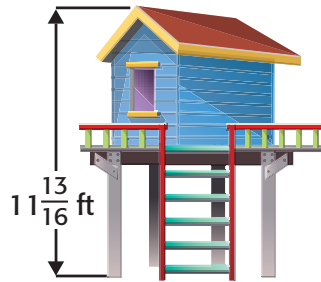
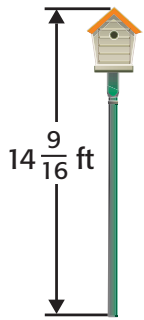
5. $\frac{11}{18} + 6\frac{1}{10}$

6. $15\frac{1}{3} - 2\frac{5}{8}$




Problem Solving

For Exercises 7–9, use the pictures shown.



7. About how much taller is the birdhouse than the swing set? Round each mixed number to the nearest whole number.

8. About how much taller is the birdhouse than the tree house? Round each mixed number to the nearest whole number.

9. **Mathematical PRACTICE**  **Plan Your Solution** Find the approximate height difference between the birdhouse and the tree house. Is it greater than or less than the approximate difference in height between the swing set and the tree house? Round each mixed number to the nearest whole number.

My Work!

Test Practice

10. Use the table at the right. About how many hours did Frank ride his bike altogether?

- (A) 4 hours (C) 6 hours
(B) 5 hours (D) 7 hours

Biking Time	
Week	Length (h)
1	$3\frac{1}{4}$
2	$2\frac{5}{6}$