

Warm Up

FINISH THE WORKSHEET
FROM YESTERDAY



CHECK YOUR ANSWERS

1. $1\frac{5}{6} + 7\frac{3}{4} = 9\frac{7}{12}$

2. $3\frac{2}{6} + 4\frac{2}{8} = 7\frac{7}{12}$

3. $7\frac{1}{5} + 5\frac{3}{7} = 12\frac{22}{35}$

4. $5\frac{3}{7} + 5\frac{1}{9} = 10\frac{34}{63}$

5. $6\frac{1}{10} + 5\frac{9}{12} = 11\frac{17}{20}$

6. $5\frac{7}{9} + 3\frac{2}{5} = 9\frac{8}{45}$

7. $10\frac{1}{4} + 3\frac{4}{12} = 13\frac{7}{12}$

8. $3\frac{1}{2} + 9\frac{2}{3} = 13\frac{1}{6}$

9. $7\frac{3}{5} + 7\frac{3}{8} = 14\frac{39}{40}$

10. $6\frac{1}{3} + 7\frac{1}{2} = 13\frac{5}{6}$

11. $9\frac{4}{7} + 1\frac{5}{6} = 11\frac{17}{42}$

12. $9\frac{3}{12} + 4\frac{3}{4} = 14$

13. $8\frac{5}{11} + 8\frac{4}{7} = 17\frac{2}{77}$

14. $10\frac{1}{5} + 2\frac{7}{9} = 12\frac{44}{45}$

Tomorrow

- Open book assignment
 - * Will take 20-25 mins
- Computer lab ☺
 - * Math games

Class/Homework

Work period

#1, #2, #4, #8, #9ab, #10, ~~#11~~, #13

If you do not get it done during class, it is for homework

Practice

Write all sums in simplest form.

1. Write each mixed number as an improper fraction in simplest form.

a) $1\frac{3}{6}$ b) $4\frac{2}{8}$ c) $1\frac{3}{4}$ d) $3\frac{3}{5}$

2. Write each improper fraction as a mixed number in simplest form.

a) $\frac{17}{5}$ b) $\frac{9}{4}$ c) $\frac{18}{4}$ d) $\frac{28}{6}$

3. Use Pattern Blocks to find each sum.

a) $1\frac{1}{6} + \frac{2}{6}$ b) $1\frac{2}{3} + \frac{2}{3}$ c) $1\frac{4}{6} + 2\frac{1}{2}$ d) $2\frac{1}{3} + 3\frac{5}{6}$

4. Find each sum.

a) $3\frac{2}{3} + 2\frac{1}{3}$ b) $1\frac{1}{8} + 3\frac{5}{8}$ c) $4\frac{2}{9} + 3\frac{5}{9}$ d) $2\frac{3}{5} + 5\frac{4}{5}$

5. Use fraction circles to find each sum.

a) $2\frac{5}{8} + \frac{3}{4}$ b) $2\frac{5}{12} + \frac{2}{3}$ c) $1\frac{3}{8} + 3\frac{3}{4}$ d) $2\frac{2}{5} + 1\frac{7}{10}$

6. We know $\frac{1}{2} + \frac{1}{5} = \frac{7}{10}$.

Use this result to find each sum.

Estimate to check the sum is reasonable.

a) $3\frac{1}{2} + \frac{1}{5}$ b) $\frac{1}{2} + 2\frac{1}{5}$ c) $3\frac{1}{2} + 2\frac{1}{5}$ d) $4\frac{1}{2} + 3\frac{1}{5}$

7. For each pair of numbers, find a common denominator. Then add.

a) $3\frac{1}{3} + \frac{1}{4}$ b) $\frac{1}{2} + 1\frac{9}{10}$ c) $\frac{3}{4} + 2\frac{3}{5}$ d) $\frac{3}{7} + 2\frac{1}{2}$
 e) $4\frac{7}{8} + 1\frac{2}{3}$ f) $2\frac{3}{5} + 2\frac{2}{3}$ g) $5\frac{2}{5} + 1\frac{7}{8}$ h) $3\frac{5}{6} + 2\frac{1}{4}$

8. Two students, Galen and Mai, worked on a project.

Galen worked for $3\frac{2}{3}$ h.

Mai worked for $2\frac{4}{5}$ h.

What was the total time spent on the project?

9. **Assessment Focus** Joseph used $1\frac{3}{8}$ cans of paint to paint

his room. Juntia used $2\frac{1}{4}$ cans to paint her room.

a) Estimate how many cans of paint were used in all.

b) Calculate how many cans of paint were used.

c) Draw a diagram to model your calculations in part b.



10. A recipe for punch calls for $2\frac{2}{3}$ cups of fruit concentrate and $6\frac{3}{4}$ cups of water.
How many cups of punch will the recipe make?
Show your work.



11. Use the fractions $1\frac{3}{5}$ and $2\frac{1}{10}$.
- Add the fractions and the whole numbers separately.
 - Write each mixed number as an improper fraction.
 - Add the improper fractions.
 - Which method was easier: adding the mixed numbers or adding the improper fractions? How do you think so? When would you use each method?

12. An auto mechanic completed 2 jobs before lunch.
The jobs took $2\frac{2}{3}$ h and $1\frac{3}{4}$ h.
How many hours did it take the mechanic to complete the 2 jobs?

13. **Take It Further** Replace the \square with an improper fraction or mixed number to make this equation true.

$$3\frac{3}{5} + \square = 5$$

Find as many answers as you can.

Draw diagrams to represent your thinking.

