

Adding Fractions Practice Answer Key

Find the answer for each of the following. Change any fractions larger than 1 to a mixed number and simplify your answer if necessary.

$$1. \frac{3}{16} + \frac{7}{16} = \frac{5}{8}$$

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

$$3. \frac{1}{4} + \frac{1}{4} = \frac{1}{2}$$

$$4. \frac{1}{4} + \frac{3}{4} = 1$$

$$5. \frac{7}{16} + \frac{5}{16} = \frac{3}{4}$$

$$6. \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$$

$$7. \frac{3}{8} + \frac{1}{8} + \frac{3}{8} = \frac{7}{8}$$

$$8. \frac{7}{16} + \frac{1}{16} + \frac{5}{16} = \frac{13}{16}$$

$$9. \frac{9}{16} + \frac{7}{16} + \frac{1}{8} = 1\frac{1}{8}$$

$$10. \frac{3}{8} + \frac{1}{2} + \frac{3}{4} = 1\frac{5}{8}$$

$$11. 11\frac{5}{8} + \frac{3}{8} = 12$$

$$12. 26\frac{1}{4} + 12\frac{5}{16} = 28\frac{9}{16}$$

$$13. 44\frac{3}{4} + 31\frac{1}{8} = 75\frac{7}{8}$$

$$14. \frac{13}{16} + 5\frac{5}{8} + 10\frac{1}{4} = 16\frac{11}{16}$$

$$15. 31\frac{1}{2} + 3\frac{3}{4} + 17\frac{7}{8} = 53\frac{1}{8}$$

Find the perimeter of the following objects in inches. The drawings are not to scale. Change any fractions larger than 1 to a mixed number and simplify your answer if necessary.

16. This landing at the top of a stairway. $176\frac{7}{8}$



$$33\frac{3}{16}$$

$$55\frac{1}{4}$$

17. This piece of sheet metal. $128\frac{1}{4}$



$$27\frac{5}{8}$$

$$36\frac{1}{2}$$

18. This bathroom sink countertop. $124\frac{5}{8}$



$$21\frac{3}{4}$$

$$40\frac{9}{16}$$

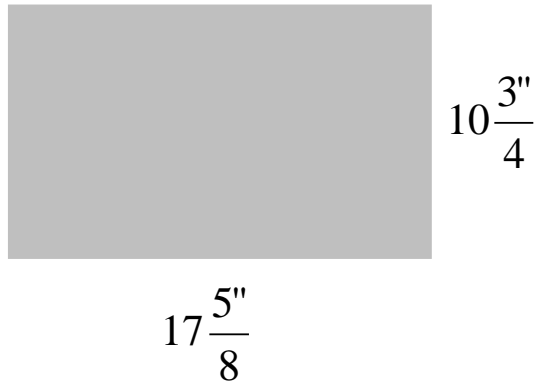
19. This concrete block. $62\frac{3}{4}$



$$15\frac{11}{16}$$

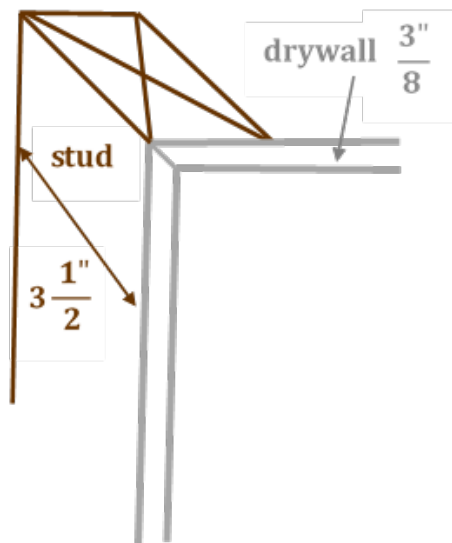
$$15\frac{11}{16}$$

20. This piece of sheet metal. $56\frac{3}{4}$



For each of the following, write out the fractions and find the answer. Change any fractions larger than 1 to a mixed number and simplify your answer if necessary.

21. A sheet of drywall $\frac{3}{8}$ thick is nailed to a wall stud that is $3\frac{1}{2}$ wide. What is the total thickness of the stud and drywall? $3\frac{7}{8}$



22. You need the following amounts of mulch for a landscaping job. What is the total amount of mulch that you need? **14 cubic yards**

- $3\frac{1}{2}$ cubic yards
- $4\frac{3}{4}$ cubic yards
- $5\frac{3}{4}$ cubic yards

23. You have the following pieces of wood trim. What is the total length of trim that you have? **$78\frac{11}{16}$**

- $18\frac{9}{16}$
- $27\frac{7}{8}$
- $32\frac{1}{4}$

24. Cork floor tiles that are $\frac{3}{16}$ " thick is being installed on a subfloor (the wood that is directly under the flooring) that is $\frac{5}{8}$ " thick. What is the total thickness of the flooring and subfloor? **$\frac{13}{16}$ "**

