



Name: _____

Date: _____

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

☐ $\frac{10}{13}$

☐ $\frac{3}{7}$

☐ $\frac{6}{6}$

☐ $\frac{5}{6}$

2. What is the least common denominator of 4 and 2?

3. $\frac{2}{3} - \frac{1}{2} = \underline{\hspace{1cm}}$ (write it over the LCD 6, e.g. n/6)

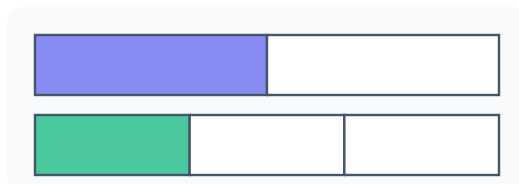
4. Rewrite $\frac{2}{5}$ with denominator 20: $\underline{\hspace{1cm}}/20$

5. To add $\frac{1}{3} + \frac{3}{3}$, do you need to find a common denominator first?

☐ Yes☐ No



6. Use the bars to add: $\frac{1}{2} + \frac{1}{3} = ?$

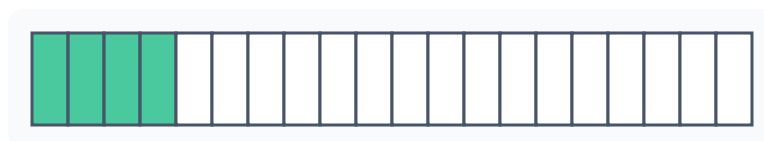


- ☐ $\frac{2}{5}$ ☐ $\frac{5}{6}$ ☐ $\frac{5}{7}$

7. Use the bars. Which is larger: $\frac{2}{6}$ or $\frac{1}{4}$?



8. The bar splits $\frac{1}{5}$ into 20 equal parts. How many parts are shaded?



9. $\frac{1}{4} + \frac{2}{5} = ?$

- ☐ $\frac{14}{20}$ ☐ $\frac{3}{9}$ ☐ $\frac{13}{20}$ ☐ $\frac{13}{21}$



10. What is the least common denominator of 5 and 8?

11. $\frac{3}{5} - \frac{1}{3} = \underline{\hspace{1cm}}$ (write it over the LCD 15, e.g. n/15)

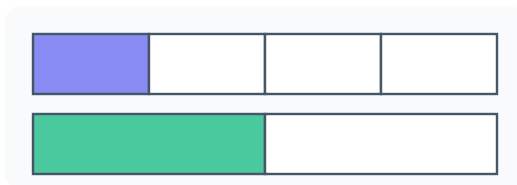
12. Rewrite $\frac{1}{4}$ with denominator 12: $\underline{\hspace{1cm}}/12$

13. To add $\frac{1}{4} + \frac{3}{4}$, do you need to find a common denominator first?

No

Yes

14. Use the bars to add: $\frac{1}{4} + \frac{1}{2} = ?$



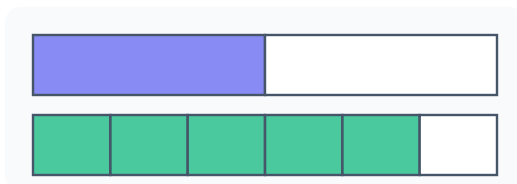
$\frac{3}{4}$

$\frac{3}{5}$

$\frac{2}{6}$



15. Use the bars. Which is larger: $\frac{1}{2}$ or $\frac{5}{6}$?



16. The bar splits $\frac{1}{4}$ into 8 equal parts. How many parts are shaded?



17. $\frac{1}{6} + \frac{1}{2} = ?$

$\frac{2}{3}$

$\frac{4}{7}$

$\frac{2}{8}$

$\frac{3}{3}$

18. What is the least common denominator of 4 and 3?



Answer Key

1. $\frac{5}{6}$ Common denominator 12: $\frac{4}{12} + \frac{6}{12} = \frac{10}{12} = \frac{5}{6}$.
2. **4** LCD of 4 and 2 is 4.
3. **$\frac{1}{6}$** LCD 6: $\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$.
4. **8** Multiply top and bottom by 4: $\frac{2}{5} = \frac{8}{20}$.
5. **No** They already share denominator 3, so just add the numerators.
6. $\frac{5}{6}$ Rewrite over 6: $\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$.
7. $\frac{2}{6}$ $\frac{2}{6} = 0.33$, $\frac{1}{4} = 0.25$. The longer bar is larger.
8. **4** $\frac{1}{5} = \frac{4}{20}$ (multiply top and bottom by 4).
9. $\frac{13}{20}$ Common denominator 20: $\frac{5}{20} + \frac{8}{20} = \frac{13}{20} = \frac{13}{20}$.
10. **40** LCD of 5 and 8 is 40.
11. **$\frac{4}{15}$** LCD 15: $\frac{9}{15} - \frac{5}{15} = \frac{4}{15}$.
12. **3** Multiply top and bottom by 3: $\frac{1}{4} = \frac{3}{12}$.
13. **No** They already share denominator 4, so just add the numerators.
14. $\frac{3}{4}$ Rewrite over 4: $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$.
15. $\frac{5}{6}$ $\frac{1}{2} = 0.50$, $\frac{5}{6} = 0.83$. The longer bar is larger.
16. **2** $\frac{1}{4} = \frac{2}{8}$ (multiply top and bottom by 2).
17. $\frac{2}{3}$ Common denominator 6: $\frac{1}{6} + \frac{3}{6} = \frac{4}{6} = \frac{2}{3}$.
18. **12** LCD of 4 and 3 is 12.