Chapter 7: Fraction

- Simplifying fractions

Let's do exercise together.

Simplify fraction. Please write down the correct answer.

1. $\frac{2}{4}$ ➡ _

2. $\frac{3}{6}$ ➡ _

3. $\frac{4}{8}$ ➡ _

4. $\frac{6}{12}$ ➡ _

5. $\frac{9}{18}$ ➡ _

6. $\frac{8}{16}$ ➡ _

7. $\frac{10}{12}$ ➡ _

8. $\frac{4}{16}$ ➡ _

9. $\frac{5}{25}$ ➡ _

10. $\frac{6}{36}$ ➡ _

Simplify fraction. Please circle the correct answer.

1. $\frac{4}{8}$ → ___

a. $\frac{1}{2}$ b. $\frac{2}{5}$ c. $\frac{2}{4}$ d. $\frac{2}{7}$

2. $\frac{2}{4}$ → ___

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

3. $\frac{4}{10}$ → ___

a. $\frac{2}{5}$ b. $\frac{2}{5}$ c. $\frac{2}{7}$ d. $\frac{3}{10}$

4. $\frac{3}{9}$ → ___

a. $\frac{1}{7}$ b. $\frac{1}{6}$ c. $\frac{1}{3}$ d. $\frac{1}{4}$

5. $\frac{6}{10}$ → ___

a. $\frac{3}{6}$ b. $\frac{3}{4}$ c. $\frac{3}{5}$ d. $\frac{3}{10}$

6. $\frac{6}{9}$ → ___

a. $\frac{2}{6}$ b. $\frac{2}{5}$ c. $\frac{2}{4}$ d. $\frac{2}{3}$

7. $\frac{6}{12}$ → _

a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{3}{7}$ d. $\frac{3}{10}$

8. $\frac{9}{18}$ → _

a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{2}{5}$ d. $\frac{3}{6}$

9. $\frac{7}{35}$ → _

a. $\frac{2}{5}$ b. $\frac{1}{5}$ c. $\frac{2}{7}$ d. $\frac{1}{6}$

10. $\frac{9}{63}$ → _

a. $\frac{6}{9}$ b. $\frac{3}{6}$ c. $\frac{1}{7}$ d. $\frac{3}{10}$

11. $\frac{5}{15}$ → _

a. $\frac{1}{4}$ b. $\frac{1}{3}$ c. $\frac{1}{6}$ d. $\frac{1}{5}$

12. $\frac{2}{20}$ → _

a. $\frac{1}{3}$ b. $\frac{1}{10}$ c. $\frac{1}{2}$ d. $\frac{3}{10}$

Simplify fraction. Please write down the correct answer.

1. $\frac{8}{40}$ = ☐

2. $\frac{2}{16}$ = ☐

3. $\frac{6}{30}$ = ☐

4. $\frac{4}{20}$ = ☐

5. $\frac{10}{20}$ = ☐

6. $\frac{6}{48}$ = ☐

7. $\frac{8}{98}$ = ☐

8. $\frac{2}{20}$ = ☐

9. $\frac{4}{40}$ = ☐

10. $\frac{5}{45}$ = ☐

11. $\frac{9}{81}$ = ☐

12. $\frac{2}{4}$ = ☐

Simplify fraction. Please write down the correct answer.

1. $\frac{7}{21}$ ➡ ___

2. $\frac{6}{8}$ ➡ ___

3. $\frac{6}{9}$ ➡ ___

4. $\frac{10}{12}$ ➡ ___

5. $\frac{6}{72}$ ➡ ___

6. $\frac{10}{30}$ ➡ ___

7. $\frac{9}{48}$ ➡ ___

8. $\frac{12}{24}$ ➡ ___

9. $\frac{8}{64}$ ➡ ___

10. $\frac{7}{84}$ ➡ ___

11. $\frac{5}{65}$ ➡ ___

12. $\frac{2}{32}$ ➡ ___

Addition of fractions (with same denominator)

Let's do exercise together.

Please write down the correct answer.

1. $\frac{1}{2} + \frac{1}{2} =$ ☐
2. $\frac{1}{4} + \frac{3}{4} =$ ☐
3. $\frac{5}{6} + \frac{1}{6} =$ ☐
4. $\frac{3}{8} + \frac{3}{8} =$ ☐
5. $\frac{2}{9} + \frac{4}{9} =$ ☐
6. $\frac{1}{6} + \frac{1}{6} =$ ☐
7. $\frac{2}{7} + \frac{3}{7} =$ ☐
8. $\frac{1}{11} + \frac{5}{11} =$ ☐
9. $\frac{2}{5} + \frac{1}{5} =$ ☐
10. $\frac{5}{12} + \frac{1}{12} =$ ☐

Please write down the correct answer.

1. Fill in the missing numbers to write $\frac{2}{3}$ as a sum of unit fraction.

$\frac{2}{3} = \square + \square$

$\frac{1}{3}$ $\frac{1}{3}$ $\frac{2}{3}$

2. Fill in the missing numbers to write $\frac{3}{4}$ as a sum of unit fraction.

$\frac{3}{4} = \square + \square$

$\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$

3. Fill in the missing numbers to write $\frac{4}{5}$ as a sum of unit fraction.

$\frac{4}{5} = \square + \square$

$\frac{1}{5}$ $\frac{2}{3}$ $\frac{3}{5}$

Please write down the correct answer.

1. $\frac{3}{4} + \frac{1}{4} =$
2. $\frac{1}{2} + \frac{1}{2} =$
3. $\frac{3}{8} + \frac{2}{8} =$
4. $\frac{1}{7} + \frac{5}{7} =$
5. $\frac{2}{9} + \frac{3}{9} =$
6. $\frac{3}{10} + \frac{4}{10} =$
7. $\frac{3}{5} + \frac{1}{5} =$
8. $\frac{7}{9} + \frac{1}{9} =$
9. $\frac{1}{3} + \frac{1}{3} =$
10. $\frac{1}{7} + \frac{2}{7} =$
11. $\frac{1}{12} + \frac{4}{12} =$
12. $\frac{2}{11} + \frac{4}{11} =$

Please circle the correct answer.

1. $\frac{3}{5} + \frac{1}{5} =$

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

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

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

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

a. $\frac{4}{7}$ b. $\frac{5}{7}$ c. $\frac{6}{7}$ d. $\frac{2}{7}$

4. $\frac{2}{9} + \frac{2}{9} =$

a. $\frac{1}{9}$ b. $\frac{2}{9}$ c. $\frac{3}{9}$ d. $\frac{4}{9}$

5. $\frac{4}{7} + \frac{1}{7} =$

a. $\frac{6}{7}$ b. $\frac{1}{7}$ c. $\frac{5}{7}$ d. $\frac{2}{7}$

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

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

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

a. $\frac{3}{4}$ b. $\frac{3}{8}$ c. $\frac{4}{8}$ d. $\frac{5}{8}$

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

a. $\frac{3}{5}$ b. $\frac{3}{6}$ c. $\frac{4}{6}$ d. $\frac{5}{6}$

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

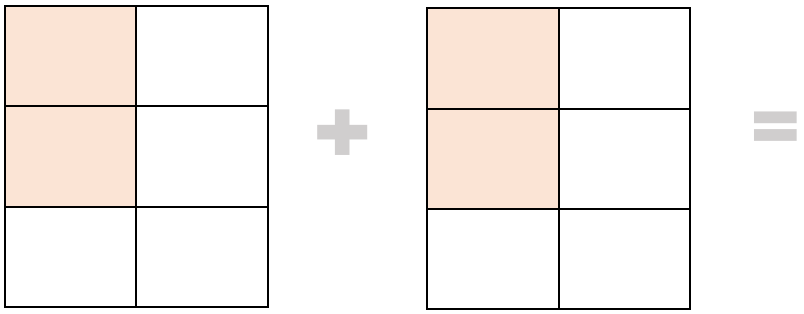
a. $\frac{3}{4}$ b. $\frac{4}{5}$ c. $\frac{3}{5}$ d. $\frac{2}{5}$

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

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

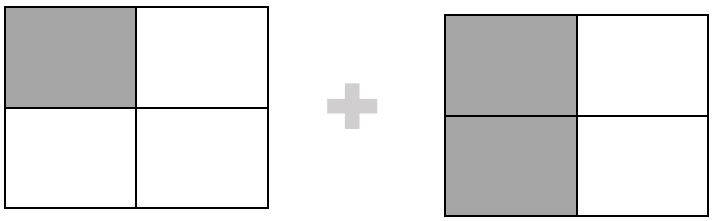
Use the picture to add.

1.



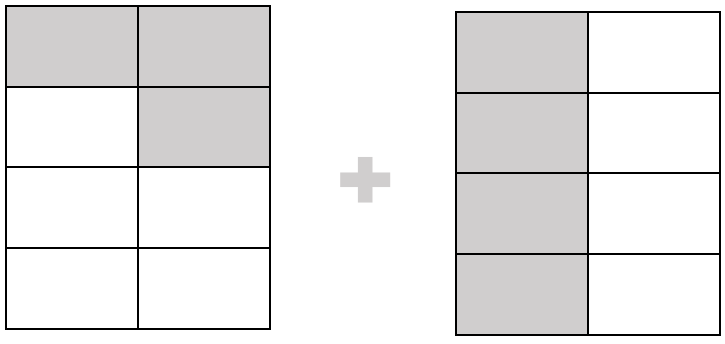
$\frac{2}{6} + \frac{2}{6} =$ ____

2.



$\frac{1}{4} + \frac{2}{4} =$ ____

3.



$\frac{3}{8} + \frac{4}{8} =$ ____

Please write down the correct answer.

1. $\frac{1}{3} + \frac{1}{3} =$ ☐

2. $\frac{1}{5} + \frac{2}{5} =$ ☐

3. $\frac{2}{6} + \frac{1}{6} =$ ☐

4. $\frac{6}{9} + \frac{1}{9} =$ ☐

5. $\frac{7}{9} + \frac{1}{9} =$ ☐

6. $\frac{5}{10} + \frac{1}{10} =$ ☐

7. $\frac{4}{8} + \frac{2}{8} =$ ☐

8. $\frac{8}{10} + \frac{1}{10} =$ ☐

9. $\frac{3}{7} + \frac{2}{7} =$ ☐

10. $\frac{6}{12} + \frac{3}{12} =$ ☐

Subtraction of fractions (with same denominator)

Let's do exercise together.

Please write down the correct answer.

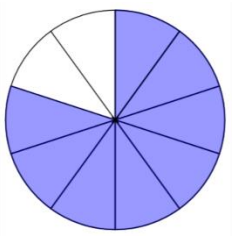
1. $\frac{2}{2} - \frac{1}{2} =$ ☐
2. $\frac{3}{4} - \frac{1}{4} =$ ☐
3. $\frac{5}{6} - \frac{3}{6} =$ ☐
4. $\frac{7}{8} - \frac{3}{8} =$ ☐
5. $\frac{4}{9} - \frac{3}{9} =$ ☐
6. $\frac{5}{6} - \frac{1}{6} =$ ☐
7. $\frac{4}{7} - \frac{3}{7} =$ ☐
8. $\frac{9}{11} - \frac{4}{11} =$ ☐
9. $\frac{4}{5} - \frac{2}{5} =$ ☐
10. $\frac{11}{12} - \frac{9}{12} =$ ☐

Please write down the correct answer.

1. $\frac{2}{4} - \frac{1}{4} =$
2. $\frac{3}{6} - \frac{1}{6} =$
3. $\frac{6}{8} - \frac{3}{8} =$
4. $\frac{6}{7} - \frac{1}{7} =$
5. $\frac{8}{9} - \frac{3}{9} =$
6. $\frac{7}{10} - \frac{2}{10} =$
7. $\frac{4}{5} - \frac{2}{5} =$
8. $\frac{4}{9} - \frac{1}{9} =$
9. $\frac{2}{3} - \frac{1}{3} =$
10. $\frac{7}{7} - \frac{4}{7} =$
11. $\frac{10}{12} - \frac{7}{12} =$
12. $\frac{8}{11} - \frac{2}{11} =$

Use the picture to subtract.

1.



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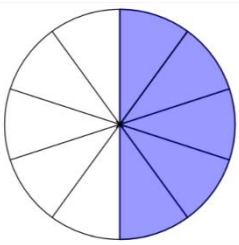

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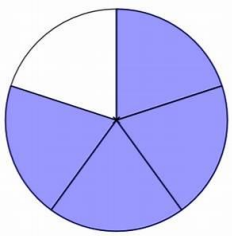
$\frac{8}{10} - \frac{5}{10} =$ ☐

2.



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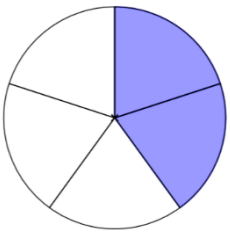

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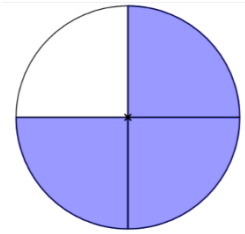
$\frac{4}{5} - \frac{2}{5} =$ ☐

3.



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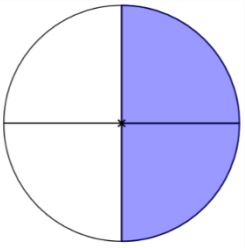

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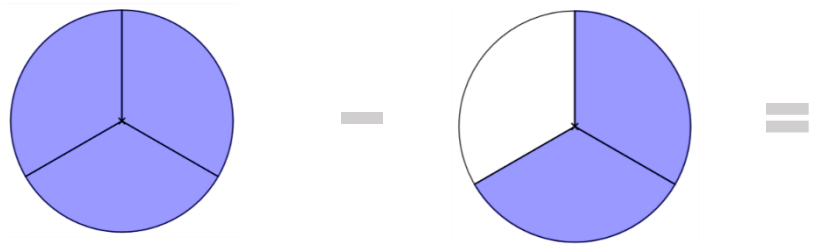
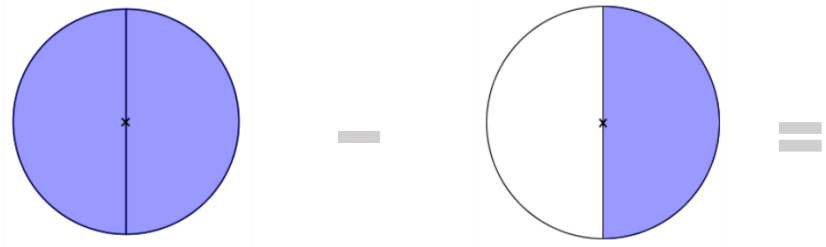
$\frac{3}{4} - \frac{2}{4} =$ ☐

4.



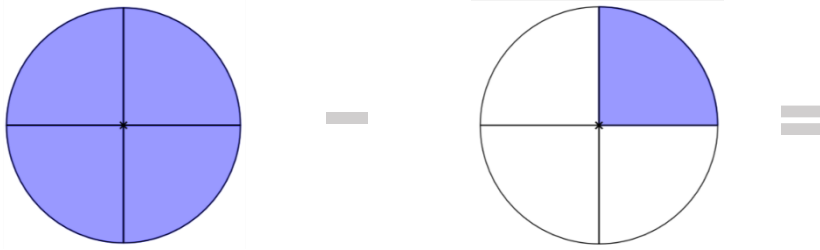
$\frac{3}{3} - \frac{2}{3} =$ ☐

5.



$\frac{2}{2} - \frac{1}{2} =$ ☐

6.



$\frac{4}{4} - \frac{1}{4} =$ ☐

Please circle the correct answer.

1. $\frac{4}{5} - \frac{2}{5} =$

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

2. $\frac{2}{4} - \frac{1}{4} =$

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

3. $\frac{7}{7} - \frac{4}{7} =$

a. $\frac{3}{7}$ b. $\frac{5}{7}$ c. $\frac{6}{7}$ d. $\frac{2}{7}$

4. $\frac{3}{8} - \frac{2}{8} =$

a. $\frac{5}{8}$ b. $\frac{1}{8}$ c. $\frac{3}{8}$ d. $\frac{4}{8}$

5. $\frac{3}{6} - \frac{2}{6} =$

a. $\frac{1}{6}$ b. $\frac{2}{6}$ c. $\frac{3}{6}$ d. $\frac{5}{6}$

6. $\frac{8}{10} - \frac{3}{10} =$

a. $\frac{7}{10}$ b. $\frac{6}{10}$ c. $\frac{5}{10}$ d. $\frac{2}{10}$

7. $\frac{5}{11} - \frac{4}{11} =$

a. $\frac{2}{11}$ b. $\frac{1}{11}$ c. $\frac{3}{11}$ d. $\frac{11}{11}$

8. $\frac{5}{6} - \frac{3}{6} =$

a. $\frac{4}{6}$ b. $\frac{3}{6}$ c. $\frac{1}{6}$ d. $\frac{2}{6}$

9. $\frac{5}{5} - \frac{3}{5} =$

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

10. $\frac{9}{12} - \frac{4}{12} =$

a. $\frac{6}{12}$ b. $\frac{5}{12}$ c. $\frac{4}{12}$ d. $\frac{3}{12}$

Please write down the correct answer.

1. $\frac{8}{11} - \frac{1}{11} =$
2. $\frac{4}{5} - \frac{2}{5} =$
3. $\frac{7}{9} - \frac{4}{9} =$
4. $\frac{7}{7} - \frac{2}{7} =$
5. $\frac{9}{10} - \frac{4}{10} =$
6. $\frac{8}{11} - \frac{3}{11} =$
7. $\frac{5}{6} - \frac{3}{6} =$
8. $\frac{5}{10} - \frac{2}{10} =$
9. $\frac{3}{4} - \frac{2}{4} =$
10. $\frac{8}{8} - \frac{5}{8} =$
11. $\frac{9}{11} - \frac{5}{11} =$
12. $\frac{7}{12} - \frac{4}{12} =$

Improper fraction

Let's do exercise together.

Please write down the correct answer. The answer is an improper fraction.

1. $\frac{2}{2} + \frac{2}{2} =$ ☐
2. $\frac{3}{4} + \frac{3}{4} =$ ☐
3. $\frac{2}{7} + \frac{7}{7} =$ ☐
4. $\frac{6}{6} + \frac{3}{6} =$ ☐
5. $\frac{9}{10} + \frac{2}{10} =$ ☐
6. $\frac{5}{6} + \frac{3}{6} =$ ☐
7. $\frac{1}{3} + \frac{3}{3} =$ ☐
8. $\frac{8}{9} + \frac{2}{9} =$ ☐
9. $\frac{3}{8} + \frac{6}{8} =$ ☐
10. $\frac{5}{11} + \frac{7}{11} =$ ☐

Please write down the correct answer in improper fraction.

1. $\frac{5}{2} - \frac{2}{2} =$ ☐

2. $\frac{11}{9} - \frac{1}{9} =$ ☐

3. $\frac{14}{3} - \frac{9}{3} =$ ☐

4. $\frac{8}{6} - \frac{1}{6} =$ ☐

5. $\frac{6}{4} - \frac{1}{4} =$ ☐

6. $\frac{13}{11} - \frac{1}{11} =$ ☐

7. $\frac{13}{7} - \frac{2}{7} =$ ☐

8. $\frac{11}{8} - \frac{2}{8} =$ ☐

9. $\frac{16}{9} - \frac{5}{9} =$ ☐

10. $\frac{10}{5} - \frac{1}{5} =$ ☐

11. $\frac{7}{3} - \frac{1}{3} =$ ☐

12. $\frac{12}{5} - \frac{6}{5} =$ ☐

Please write down the correct answer in improper fraction.

1. $\frac{12}{9} - \frac{1}{9} =$

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

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

4. $\frac{9}{7} - \frac{1}{7} =$

5. $\frac{10}{6} + \frac{5}{6} =$

6. $\frac{9}{9} + \frac{2}{9} =$

7. $\frac{8}{5} - \frac{2}{5} =$

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

9. $\frac{5}{3} - \frac{1}{3} =$

10. $\frac{2}{11} + \frac{10}{11} =$

11. $\frac{14}{8} - \frac{1}{8} =$

12. $\frac{7}{4} - \frac{1}{4} =$

Please circle the correct answer.

1. $\frac{12}{8} - \frac{3}{8} =$

a. $\frac{6}{8}$ b. $\frac{7}{8}$ c. $\frac{9}{8}$ d. $\frac{8}{8}$

2. $\frac{11}{3} - \frac{6}{3} =$

a. $\frac{8}{3}$ b. $\frac{7}{3}$ c. $\frac{4}{3}$ d. $\frac{5}{3}$

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

a. $\frac{5}{2}$ b. $\frac{4}{2}$ c. $\frac{3}{2}$ d. $\frac{6}{2}$

4. $\frac{10}{5} - \frac{4}{5} =$

a. $\frac{6}{5}$ b. $\frac{7}{5}$ c. $\frac{8}{5}$ d. $\frac{9}{5}$

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

a. $\frac{7}{3}$ b. $\frac{6}{3}$ c. $\frac{5}{3}$ d. $\frac{4}{3}$

6. $\frac{9}{4} - \frac{1}{4} =$

a. $\frac{5}{4}$ b. $\frac{6}{4}$ c. $\frac{7}{4}$ d. $\frac{8}{4}$

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

a. $\frac{5}{5}$ b. $\frac{7}{5}$ c. $\frac{6}{5}$ d. $\frac{8}{5}$

8. $\frac{4}{12} + \frac{9}{12} =$

a. $\frac{12}{12}$ b. $\frac{13}{12}$ c. $\frac{11}{12}$ d. $\frac{10}{12}$

9. $\frac{5}{3} - \frac{1}{3} =$

a. $\frac{7}{3}$ b. $\frac{6}{3}$ c. $\frac{3}{3}$ d. $\frac{4}{3}$

10. $\frac{9}{11} + \frac{3}{11} =$

a. $\frac{12}{11}$ b. $\frac{13}{11}$ c. $\frac{14}{11}$ d. $\frac{10}{11}$

Please write down the correct answer in improper fraction.

1. $\frac{12}{9} - \frac{2}{9} =$

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

3. $\frac{9}{8} + \frac{3}{8} =$

4. $\frac{10}{7} - \frac{2}{7} =$

5. $\frac{11}{6} + \frac{6}{6} =$

6. $\frac{10}{9} + \frac{2}{9} =$

7. $\frac{9}{5} - \frac{3}{5} =$

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

9. $\frac{6}{3} - \frac{2}{3} =$

10. $\frac{9}{11} + \frac{3}{11} =$

11. $\frac{12}{9} - \frac{2}{9} =$

12. $\frac{8}{4} - \frac{2}{4} =$

Mixed fraction

Let's do exercise together.

Write the improper fractions as mixed number, simplifying as required.

1. $\frac{15}{6}$ =
2. $\frac{10}{4}$ =
3. $\frac{14}{6}$ =
4. $\frac{20}{12}$ =
5. $\frac{33}{12}$ =
6. $\frac{8}{3}$ =
7. $\frac{20}{8}$ =
8. $\frac{28}{10}$ =
9. $\frac{5}{2}$ =
10. $\frac{12}{10}$ =
11. $\frac{44}{12}$ =
12. $\frac{14}{10}$ =
13. $\frac{36}{10}$ =
14. $\frac{35}{12}$ =
15. $\frac{6}{4}$ =
16. $\frac{9}{5}$ =
17. $\frac{37}{10}$ =
18. $\frac{12}{5}$ =
19. $\frac{13}{4}$ =
20. $\frac{7}{3}$ =

Convert improper fractions to mixed fractions, simplifying as required.

1. $\frac{12}{8}$ = ____
2. $\frac{21}{6}$ = ____
3. $\frac{11}{5}$ = ____
4. $\frac{41}{12}$ = ____
5. $\frac{14}{10}$ = ____
6. $\frac{45}{12}$ = ____
7. $\frac{14}{10}$ = ____
8. $\frac{45}{12}$ = ____
9. $\frac{7}{4}$ = ____
10. $\frac{7}{2}$ = ____
11. $\frac{21}{8}$ = ____
12. $\frac{24}{10}$ = ____
13. $\frac{17}{6}$ = ____
14. $\frac{7}{3}$ = ____
15. $\frac{7}{5}$ = ____
16. $\frac{13}{5}$ = ____
17. $\frac{17}{5}$ = ____
18. $\frac{19}{10}$ = ____
19. $\frac{5}{3}$ = ____
20. $\frac{9}{8}$ = ____

Convert mixed number to improper fractions, simplifying as required.

1. $2\frac{5}{6} =$ ☐
2. $3\frac{8}{10} =$ ☐
3. $1\frac{1}{5} =$ ☐
4. $1\frac{9}{10} =$ ☐
5. $1\frac{3}{12} =$ ☐
6. $3\frac{4}{6} =$ ☐
7. $1\frac{6}{12} =$ ☐
8. $1\frac{3}{5} =$ ☐
9. $3\frac{5}{12} =$ ☐
10. $1\frac{1}{2} =$ ☐
11. $1\frac{3}{8} =$ ☐
12. $3\frac{1}{5} =$ ☐
13. $1\frac{8}{10} =$ ☐
14. $3\frac{10}{12} =$ ☐
15. $3\frac{1}{2} =$ ☐
16. $2\frac{3}{5} =$ ☐
17. $3\frac{1}{3} =$ ☐
18. $1\frac{4}{10} =$ ☐
19. $1\frac{7}{8} =$ ☐
20. $1\frac{2}{8} =$ ☐

Convert mixed number to improper fractions, simplifying as required.

1. $3\frac{1}{3}$ = ____
2. $2\frac{2}{4}$ = ____
3. $3\frac{3}{4}$ = ____
4. $2\frac{1}{4}$ = ____
5. $1\frac{1}{5}$ = ____
6. $2\frac{10}{12}$ = ____
7. $1\frac{2}{10}$ = ____
8. $3\frac{4}{8}$ = ____
9. $3\frac{3}{8}$ = ____
10. $3\frac{2}{5}$ = ____
11. $2\frac{2}{3}$ = ____
12. $2\frac{1}{5}$ = ____
13. $1\frac{4}{5}$ = ____
14. $1\frac{1}{10}$ = ____
15. $3\frac{6}{12}$ = ____
16. $3\frac{1}{6}$ = ____
17. $2\frac{11}{12}$ = ____
18. $2\frac{5}{6}$ = ____
19. $3\frac{5}{6}$ = ____
20. $1\frac{2}{8}$ = ____

Please write down the correct answer.

	Improper Fraction	Mixed Fraction
1. $\frac{11}{5} - \frac{2}{5} =$		
2. $\frac{12}{8} + \frac{1}{8} =$		
3. $\frac{38}{12} - \frac{9}{12} =$		
4. $\frac{11}{6} + \frac{2}{6} =$		
5. $\frac{14}{10} - \frac{1}{10} =$		
6. $\frac{11}{5} + \frac{2}{5} =$		
7. $\frac{7}{2} + \frac{4}{2} =$		
8. $\frac{9}{6} - \frac{2}{6} =$		
9. $\frac{10}{4} + \frac{3}{4} =$		
10. $\frac{20}{10} - \frac{3}{10} =$		