

**TARGET** To change an improper fraction to a mixed number and vice versa.

*Examples*

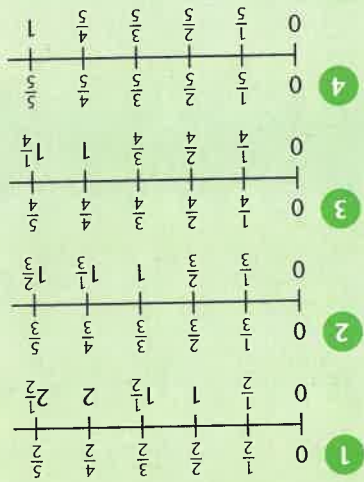
$$\frac{20}{3} = 20 \div 3 = 6 \text{ remainder } 2 = 6\frac{2}{3}$$

Change  $\frac{20}{3}$  to a mixed number.

$$3\frac{5}{2} = 3 + \frac{5}{2} = \frac{15}{2} + \frac{5}{2} = \frac{20}{2} = \frac{10}{1}$$

Change  $3\frac{5}{2}$  to an improper fraction.

Write the next five pairs of numbers in each number line.



Use your number lines to write these improper fractions as mixed numbers.

Use your number lines to write these mixed numbers as improper fractions.

- 1  $\frac{2}{2}$
- 2  $\frac{3}{3}$
- 3  $\frac{4}{4}$
- 4  $\frac{5}{5}$
- 5  $\frac{6}{6}$
- 6  $\frac{7}{7}$
- 7  $\frac{8}{8}$
- 8  $\frac{9}{9}$
- 9  $2\frac{2}{9}$
- 10  $3\frac{3}{7}$
- 11  $4\frac{4}{5}$
- 12  $5\frac{5}{11}$
- 13  $2\frac{2}{1}$
- 14  $3\frac{3}{1}$
- 15  $1\frac{4}{3}$
- 16  $1\frac{4}{5}$

**B** Copy and complete.

1  $\frac{5}{7} = 1 \square$

2  $\frac{4}{13} = \square \frac{4}{13}$

3  $7\frac{7}{2} = \square$

4  $3\frac{3}{2} = \square$

Change to mixed numbers.

9  $\frac{23}{5}$

10  $\frac{11}{8}$

11  $\frac{16}{3}$

12  $\frac{27}{10}$

Change to improper fractions.

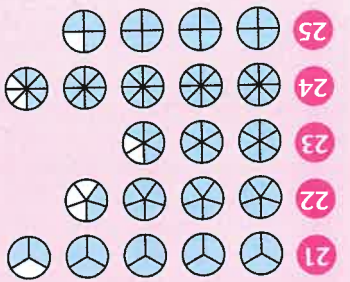
17  $1\frac{9}{2}$

18  $2\frac{5}{4}$

19  $3\frac{10}{3}$

20  $2\frac{7}{8}$

Write as both mixed numbers and improper fractions.



**C** Change to mixed numbers.

1  $\frac{5}{24}$

2  $\frac{3}{25}$

3  $\frac{10}{49}$

4  $\frac{8}{27}$

5  $\frac{4}{29}$

6  $\frac{7}{41}$

7  $\frac{6}{37}$

8  $\frac{9}{41}$

Change to improper fractions.

17  $6\frac{4}{3}$

18  $8\frac{1}{8}$

19  $3\frac{9}{7}$

20  $7\frac{5}{3}$

21  $5\frac{8}{7}$

22  $8\frac{6}{5}$

23  $9\frac{3}{2}$

24  $4\frac{4}{4}$

Change to mixed numbers.

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Change to improper fractions.

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19  $3\frac{9}{7}$

20  $7\frac{5}{3}$

21  $5\frac{8}{7}$

22  $8\frac{6}{5}$

23  $9\frac{3}{2}$

24  $4\frac{4}{4}$

25  $5\frac{5}{5}$