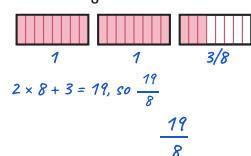


Mixed Numbers and Improper Fractions

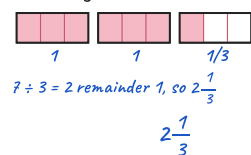
ANSWERS

1

(a) Write $2\frac{3}{8}$ as an improper fraction.

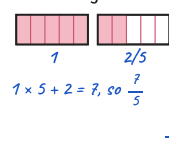


(b) Write $\frac{7}{3}$ as a mixed number.

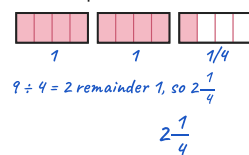


2

(a) Write $1\frac{2}{5}$ as an improper fraction.

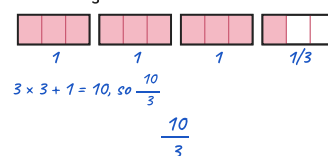


(b) Write $\frac{9}{4}$ as a mixed number.

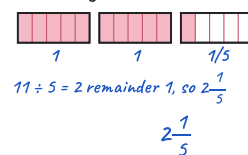


3

(a) Write $3\frac{1}{3}$ as an improper fraction.

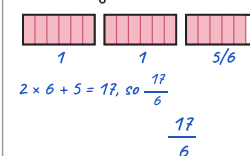


(b) Write $\frac{11}{5}$ as a mixed number.

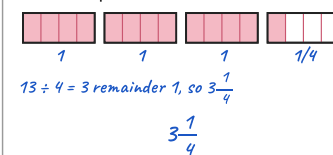


4

(a) Write $2\frac{5}{6}$ as an improper fraction.



(b) Write $\frac{13}{4}$ as a mixed number.



5

(a) Write $1\frac{7}{8}$ as an improper fraction.

$$1 \times 8 + 7 = 15, \text{ so } \frac{15}{8}$$

(b) Write $\frac{17}{6}$ as a mixed number.

$$17 \div 6 = 2 \text{ remainder } 5, \text{ so } 2\frac{5}{6}$$

6

(a) Write $3\frac{2}{5}$ as an improper fraction.

$$3 \times 5 + 2 = 17, \text{ so } \frac{17}{5}$$

(b) Write $\frac{10}{3}$ as a mixed number.

$$10 \div 3 = 3 \text{ remainder } 1, \text{ so } 3\frac{1}{3}$$

7

A recipe needs $2\frac{1}{4}$ cups of flour.
How many quarter cups is this?

$$2\frac{1}{4} = \frac{9}{4}$$

Answer 9

8

Which is bigger, $\frac{17}{5}$ or $3\frac{1}{2}$?
Show how you know.

$$\frac{17}{5} = 3\frac{2}{5}$$

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

Mixed Numbers and Improper Fractions further practice

ANSWERS

9

(a) Write $5\frac{2}{9}$ as an improper fraction.

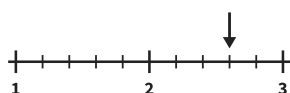
(b) Write $\frac{43}{6}$ as a mixed number.

(a) $\frac{47}{9}$

(b) $7\frac{1}{6}$

10

Write the number the arrow points to as a mixed number and as an improper fraction.



mixed number $2\frac{3}{6}$

improper fraction $\frac{13}{6}$

11

Ana runs $\frac{17}{4}$ km, Ben runs $4\frac{1}{2}$ km,
Cat runs $\frac{15}{4}$ km and Dev runs 4 km.
Who runs the furthest? Who runs the shortest distance?

$$\frac{17}{4} = 4\frac{1}{4}, \quad \frac{15}{4} = 3\frac{3}{4}$$

furthest Ben

shortest Cat

12

A café uses 41 eggs. Eggs come in boxes of 6. How many boxes of eggs is this? Give your answer as a mixed number.

$$41 \div 6 = 6 \text{ remainder } 5$$

Answer $6\frac{5}{6}$ boxes

13

Find the missing number.

$$3\frac{\boxed{5}}{8} = \frac{29}{8}$$

$$3 \times 8 = 24, \text{ and } 24 + 5 = 29$$

14

A film lasts 150 minutes.
Write this time in hours as a mixed number.

$$150 \div 60 = 2 \text{ remainder } 30, \quad \frac{30}{60} = \frac{1}{2}$$

Answer $2\frac{1}{2}$ hours

15

Write $2\frac{1}{2}$ as an improper fraction with a denominator of 6.

$$2 = \frac{12}{6} \text{ and } \frac{1}{2} = \frac{3}{6}$$

Answer $\frac{15}{6}$

16

Mia says $\frac{22}{7}$ is between 3 and 4.
Is she right? Explain.

$$3 = \frac{21}{7} \text{ and } 4 = \frac{28}{7}$$

Answer Yes, $\frac{22}{7} = 3\frac{1}{7}$