

Year 4: Improper fractions and mixed numbers: answers

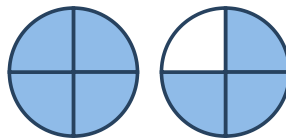
Year 4 - Fractions - Lesson 5.6

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch05-fractions/improper-fractions-and-mixed-numbers/

Exercise 5F Improper fractions and mixed numbers Non-calculator

1 Write each shaded amount as an improper fraction and as a mixed number.

(a)



Improper fraction and mixed number:

Answer: $\frac{7}{4} = 1 \frac{3}{4}$

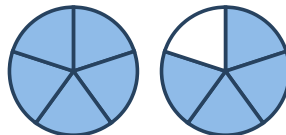
(b)



Improper fraction and mixed number:

Answer: $\frac{5}{3} = 1 \frac{2}{3}$

(c)



Improper fraction and mixed number:

Answer: $\frac{9}{5} = 1 \frac{4}{5}$

(d)



Improper fraction and mixed number:

Answer: $\frac{11}{6} = 1 \frac{5}{6}$

2 Quick-fire! Write each mixed number as an improper fraction.

(a) $1 \frac{3}{4} =$

Answer: $\frac{7}{4}$

(b) $2 \frac{1}{5} =$

Answer: $\frac{11}{5}$

(c) $2\frac{3}{8} =$

Answer: $\frac{19}{8}$

(d) $3\frac{1}{4} =$

Answer: $\frac{13}{4}$

(e) $1\frac{5}{6} =$

Answer: $\frac{11}{6}$

(f) $4\frac{2}{7} =$

Answer: $\frac{30}{7}$

3 Quick-fire! Write each improper fraction as a mixed number.

(a) $\frac{9}{4} =$

Answer: $2\frac{1}{4}$

(b) $\frac{7}{3} =$

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

(c) $\frac{11}{5} =$

Answer: $2\frac{1}{5}$

(d) $\frac{13}{6} =$

Answer: $2\frac{1}{6}$

(e) $\frac{17}{8} =$

Answer: $2\frac{1}{8}$

(f) $\frac{10}{3} =$

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

4 Read the number line. Write A and C as mixed numbers. Write B and D as improper fractions.



(a) A =

Answer: $1\frac{1}{4}$

(b) B =

Answer: $\frac{7}{4}$

(c) C =

Answer: $2\frac{1}{4}$

(d) D =

Answer: $\frac{11}{4}$

5 Count on or back. Write the missing numbers.

(a) $\frac{3}{4}$, 1, ?, $1\frac{2}{4}$, $1\frac{3}{4}$, ?, $2\frac{1}{4}$

Answer: $1\frac{1}{4}$, 2

(b) $1\frac{1}{3}$, ?, 2, $2\frac{1}{3}$, ?, 3

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

(c) $2\frac{2}{5}$, 2, ?, $1\frac{1}{5}$, ?, $\frac{2}{5}$

Answer: $1\frac{3}{5}$, $\frac{4}{5}$

6 Add. Write each answer as a mixed number.

(a) $\frac{4}{5} + \frac{3}{5} =$

Answer: $1\frac{2}{5}$

(b) $\frac{5}{7} + \frac{4}{7} =$

Answer: $1\frac{2}{7}$

(c) $\frac{5}{8} + \frac{6}{8} =$

Answer: $1\frac{3}{8}$

(d) $\frac{7}{9} + \frac{6}{9} =$

Answer: $1\frac{4}{9}$

7 Write <, > or = in each box.

(a) $\frac{7}{4}$ [] $1\frac{1}{2}$

Answer: >

(b) $\frac{9}{5}$ [] $1\frac{3}{5}$

Answer: >

(c) $\frac{11}{6}$ [] $1\frac{2}{3}$

Answer: >

8 Write the numbers in order.

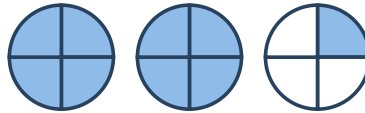
(a) Smallest first: $\frac{9}{4}$, $1\frac{3}{4}$, $\frac{5}{4}$, $1\frac{1}{2}$

Answer: $\frac{5}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, $\frac{9}{4}$

(b) Biggest first: $\frac{11}{8}$, $1\frac{3}{4}$, $\frac{3}{2}$, $1\frac{1}{8}$

Answer: $1\frac{3}{4}$, $\frac{3}{2}$, $\frac{11}{8}$, $1\frac{1}{8}$

9 Kim fills 9 cups with water. Each cup holds $\frac{1}{4}$ of a litre. How many litres of water is that? Write your answer as a mixed number.



Answer: $2\frac{1}{4}$

10 Zainab lays 13 ribbons end to end. Each ribbon is $\frac{1}{5}$ of a metre long. How many metres long is the line of ribbons? Write your answer as a mixed number.

Answer: $2\frac{3}{5}$

11 Jack says, " $\frac{11}{4} = 2\frac{1}{4}$." What mistake has Jack made? Write the correct mixed number.

Answer: $2\frac{3}{4}$

12 Always, sometimes or never? If the top number of a fraction is bigger than its bottom number, the fraction is greater than 1.

Answer: Always

13 Mei has $3\frac{3}{4}$ pizzas. She cuts them all into quarters. How many quarters does she have?



Answer: 15

