Mixed numbers and improper fractions

1

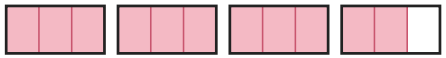
(a) Write $2\frac{3}{5}$ as an improper fraction.



2 × 5 + 3 = ☐

Answer _____

(b) Write $\frac{11}{3}$ as a mixed number.



11 ÷ 3 = ☐ r ☐

Answer _____

2

(a) Write $1\frac{5}{6}$ as an improper fraction.



☐ × ☐ + ☐ = ☐

Answer _____

(b) Write $\frac{7}{2}$ as a mixed number.



☐ ÷ ☐ = ☐ r ☐

Answer _____

3

(a) Write $1\frac{3}{4}$ as an improper fraction.



☐ × ☐ + ☐ = ☐

Answer _____

(b) Write $\frac{13}{6}$ as a mixed number.



☐ ÷ ☐ = ☐ r ☐

Answer _____

4

(a) Write $4\frac{2}{3}$ as an improper fraction.

☐ × ☐ + ☐ = ☐

Answer _____

(b) Write $\frac{23}{5}$ as a mixed number.

☐ ÷ ☐ = ☐ r ☐

Answer _____

5

Write each as a mixed number in its simplest form.

(a) $\frac{22}{8}$ (b) $\frac{15}{6}$

(a) _____

(b) _____

6

Zara says $5\frac{1}{3} = \frac{9}{3}$ because 5 + 1 + 3 = 9.

Use a check to show that Zara is wrong.

Then write $5\frac{1}{3}$ as an improper fraction.

Answer _____

7

A café cuts every cake into 6 equal slices.
On Saturday it sells 27 slices.
How many cakes is this?
Give your answer as a mixed number in its simplest form.

Answer _____

8

Write these in order, smallest first.

$\frac{9}{4}$ $1\frac{7}{8}$ $\frac{5}{2}$

Answer _____

Mixed numbers and improper fractions *further practice*

9

(a) Write $5\frac{7}{8}$ as an improper fraction.

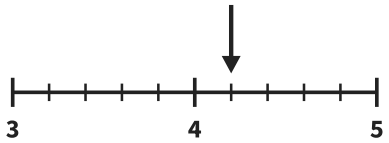
(b) Write $\frac{38}{7}$ as a mixed number.

(a) _____

(b) _____

10

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



mixed number _____

improper fraction _____

11

A jug holds $2\frac{3}{4}$ litres of juice.

A glass holds $\frac{1}{4}$ of a litre.

How many glasses can be filled from the full jug?

Answer _____

12

Four laps of a running track make 1 mile. Jo runs 9 laps. How many miles does she run? Give your answer as a mixed number.

Answer _____

13

Find the missing numbers.

(a) $3\frac{\square}{5} = \frac{18}{5}$

(b) $\square\frac{1}{4} = \frac{25}{4}$

(a) _____

(b) _____

14

Which is bigger, $\frac{17}{3}$ or $5\frac{1}{2}$?

Show how you know.

Answer _____

15

Write $3\frac{2}{3}$ as an improper fraction with a denominator of 9.

Answer _____

16

Sam says $\frac{26}{4}$ and $6\frac{1}{2}$ are the same amount. Is he right? Explain how you know.

Answer _____