

Combining fractions

This task is about adding fractions.



Chen, Malachi, and Rory ordered a giant pizza.

Chen ate $\frac{1}{3}$, Malachi ate $\frac{1}{4}$, and Rory ate $\frac{1}{5}$ of the pizza.

Altogether, what fraction of the pizza did they eat? _____

a)



b) In a relay, Toby ran $2\frac{1}{2}$ laps, Celia ran $3\frac{1}{3}$ laps, and Danica ran $4\frac{1}{4}$ laps.

Altogether, how many laps, including part laps, did they run? _____



A pet shop has puppies with different-coloured coats.

c) $\frac{1}{4}$ are pure white, $\frac{1}{5}$ are pure black, and $\frac{2}{5}$ are both black and white.

The remaining puppies have no black or white colouring.

What **fraction** of the puppies ...

i) are pure black or pure white in colouring? _____

ii) have at least some white colouring? _____

iii) have no black or white colouring? _____