

# Recycling in Numbers **Fractions**

Each of the families below are trying to be greener. They have started reducing their food waste (such as vegetables, fruit, meal leftovers, teabags, stale bread) by placing it into a compost bin to make rich soil for their gardens. Below, the fractions show how much each family reduced their food waste over a six month period. Calculate how much food (in kg) each family recycled over this period.

**The Green Family**       $\frac{2}{3}$  of 36 kg

[illegible]

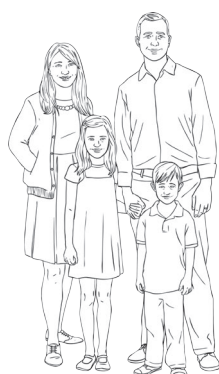
**The Smith Family**       $\frac{4}{5}$  of 40 kg

[illegible]

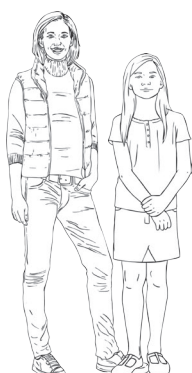
**The Ostapski Family**  $\frac{7}{10}$  of 50 kg




**The Woods Family**  $\frac{5}{7}$  of 35 kg



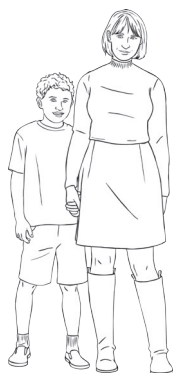

**The Thorn Family**  $\frac{2}{3}$  of 27 kg



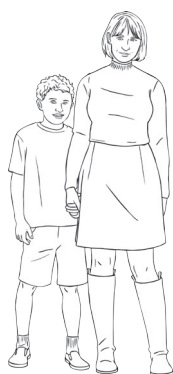

**The De Prez Family**  $\frac{6}{8}$  of 48 kg




**The Patel Family**  $\frac{3}{6}$  of 42 kg




**The García Family**  $\frac{7}{8}$  of 32 kg




Which family recycled the most food waste?

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## Answers

1. The Green Family  $\frac{2}{3}$  of 36 kg = **24 kg**
2. The Smith Family  $\frac{4}{5}$  of 40 kg = **32 kg**
3. The Ostapski Family  $\frac{7}{10}$  of 50 kg = **35 kg**
4. The Woods Family  $\frac{5}{7}$  of 35 kg = **25 kg**
5. The Thorn Family  $\frac{2}{3}$  of 27 kg = **18 kg**
6. The De Prez Family  $\frac{6}{8}$  of 48 kg = **36 kg**
7. The Patel Family  $\frac{3}{6}$  of 42 kg = **21 kg**
8. The García Family  $\frac{7}{8}$  of 32 kg = **28 kg**

Which family recycled the most food waste?

The De Prez Family