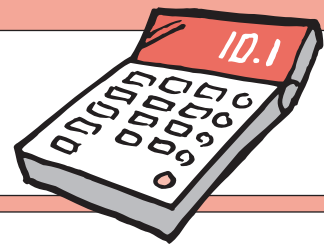


# Family fractions



1. The ten-year-olds from the Smith, Jones and Khan families each chose one of these fractions.

$$\frac{9}{16} \quad \frac{3}{8} \quad \frac{3}{4}$$

They change the fractions to decimal fractions and place them on this number line.



2. Mr Jones said to his son 'Which would you rather have:  $\frac{7}{10}$  or  $\frac{8}{9}$  of £50?'

a. Which is the larger amount of money?

b. What is the difference between the two amounts of money?

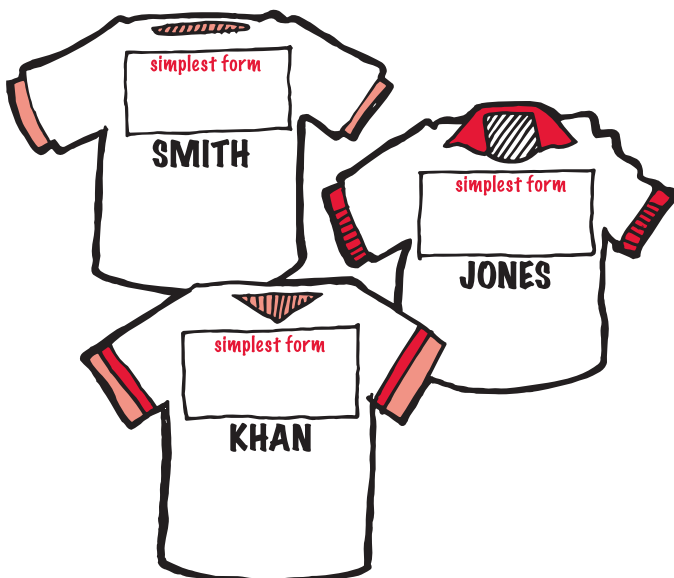
3. The children in the Smith family wear fifths fractions on their t-shirts. The children in the Jones family wear eighths fractions on their t-shirts. The children in the Khan family wear sevenths fractions on their t-shirts.

a. Sort these fractions into the correct family.

$$\frac{12}{21} \quad \frac{6}{15} \quad \frac{8}{14} \quad \frac{12}{32} \quad \frac{4}{7} \quad \frac{20}{50} \quad \frac{24}{64}$$

$$\frac{16}{28} \quad \frac{9}{24} \quad \frac{6}{16} \quad \frac{4}{10} \quad \frac{32}{56} \quad \frac{10}{25}$$

b. Find the simplest form of the fractions for each family and write it in the box on the t-shirt.



4. Mr Smith decided to share £100 between his four children. He gave the oldest  $\frac{2}{5}$  of the money. To the second oldest he gave  $\frac{2}{7}$  of the money. To the second youngest he gave  $\frac{2}{9}$  of the money. How much money was left for the youngest child?
- \_\_\_\_\_

5. Mr Khan offered his three children a choice:  $\frac{9}{10}$  of a pizza shared between the children or a quarter for each child.

a. Which way gives the larger piece of pizza for each child?

b. What fraction of the total pizza would the larger piece for one child be?

6. Mr Jones suggested to his five children that they run a distance of 500 metres between them. The youngest child ran  $\frac{1}{8}$  of the way. The second youngest ran  $\frac{3}{16}$  of the way. The third child ran  $\frac{1}{4}$  of the way. The second oldest had a sprained ankle so did not run. How far did the oldest child have to run?
- \_\_\_\_\_