Objective: Solve problems involving increasingly harder fractions to calculate quantities

Tasks based on TTS Graded Problem Solving cards Y4

Year 4 Task:

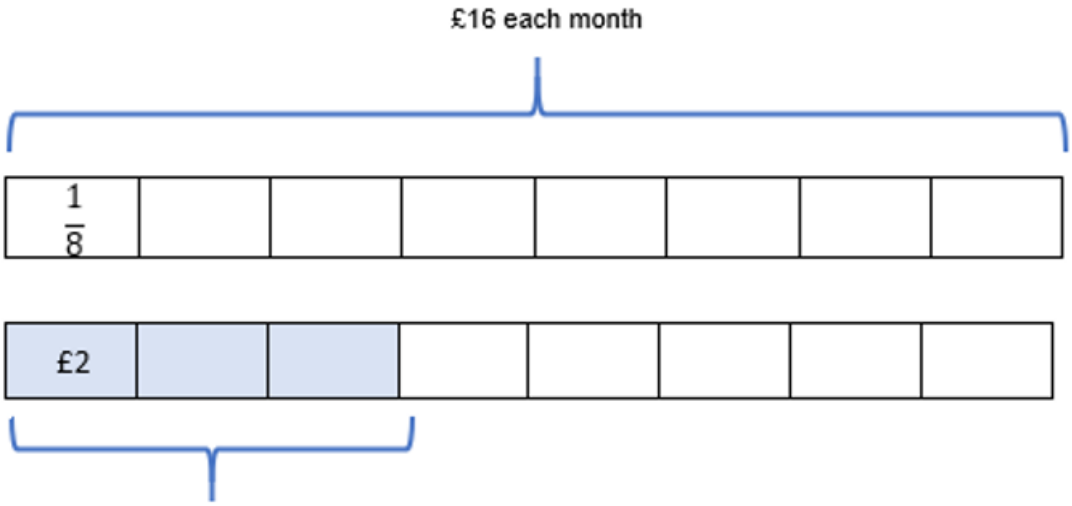
Kitty gets £16 pocket money each month. She saves $\frac{3}{8}$ of this in the bank.

How much will she have saved after one year?

Worked example

Key fact: 12 months = 1 year

Step 1: How much does she save each month?



$\frac{3}{8}$ = £2 + £2 + £2

= £6 saved each month

Step 2: How much does she save by the end of the year?

£6 x 12 months =

6 x12 (6x 10 + 6 x 2)

= £72 for the year

Answer: Kitty saves £72 by the end of the year

Variations

Billy gets £15 pocket money each month. He saves $\frac{4}{5}$ of this in the bank.

How much will he have saved after one year?

Space for working out

Lauren gets £12 pocket money each month. She saves $\frac{2}{3}$ of this in the bank. Tom gets £20 pocket money each month. She saves $\frac{1}{10}$ of this in the bank.

Who saves the most money by the end of the year?

Space for working out

Answers: Billy saves £12 x 12 months = £144; Lauren saves £8 x 12 months = £96; Tom saves £2 x 12 months= £24