POWER MATHS

White Rose MATHS

White Rose Maths Edition

Year 3 Practice Book 3C

Pearson

Series Editor: Tony Staneff

Year 3 Practice Book 3C

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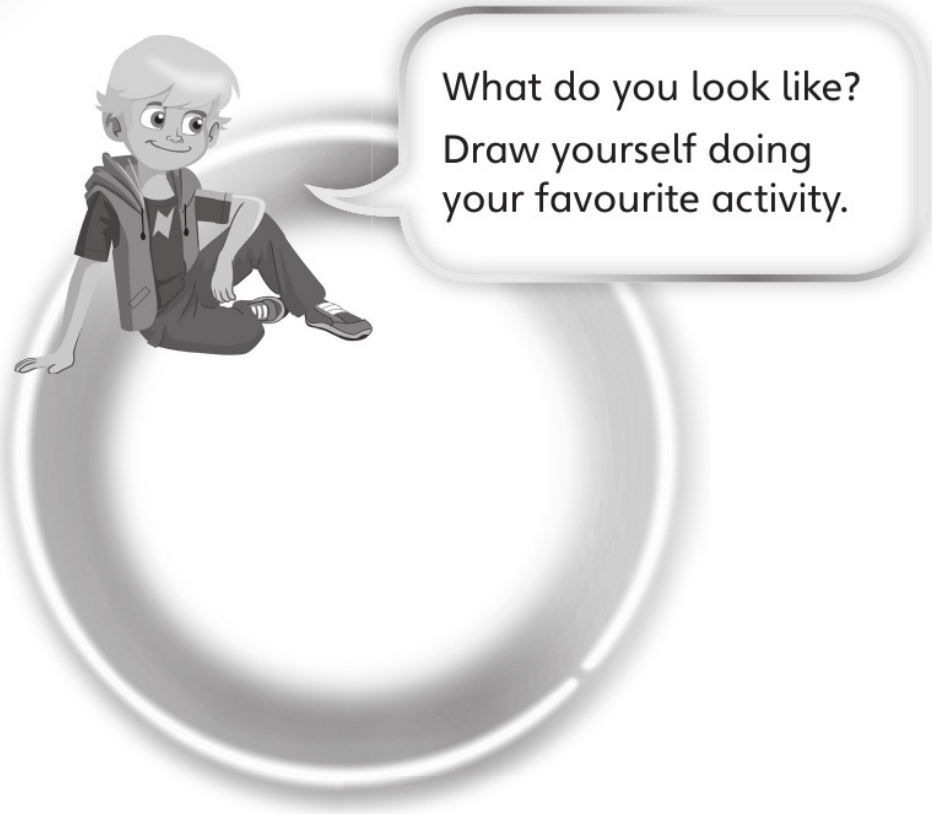

This book belongs to _____ .

My class is _____ .

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Pearson

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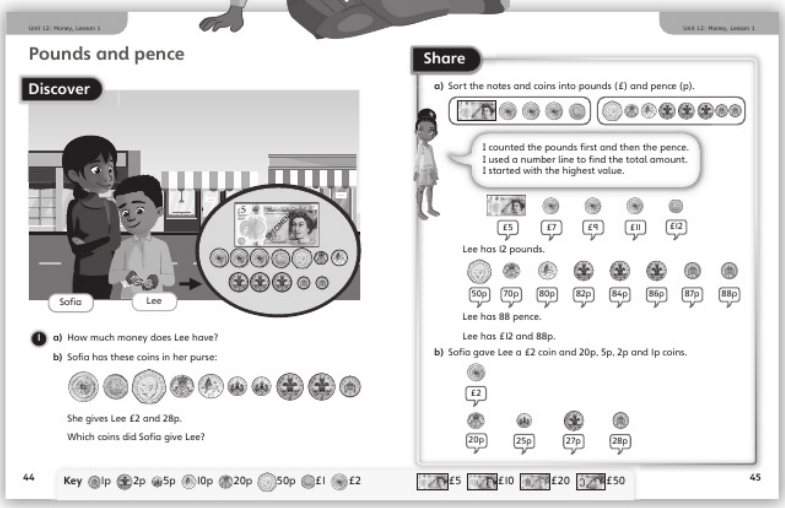
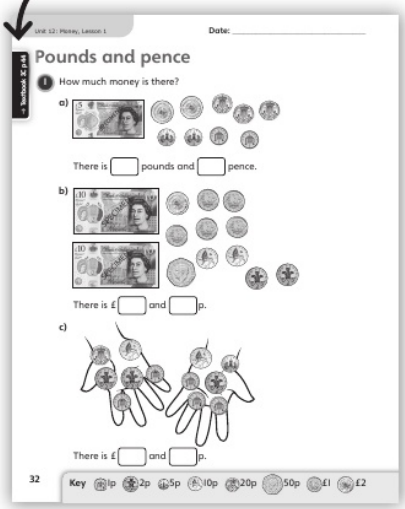
How to use this book

Do you remember how to use this **Practice Book**?



Use the **Textbook** first to learn how to solve this type of problem.



This shows you which **Textbook** page to use.

Have a go at questions by yourself using this **Practice Book**. Use what you have learnt.

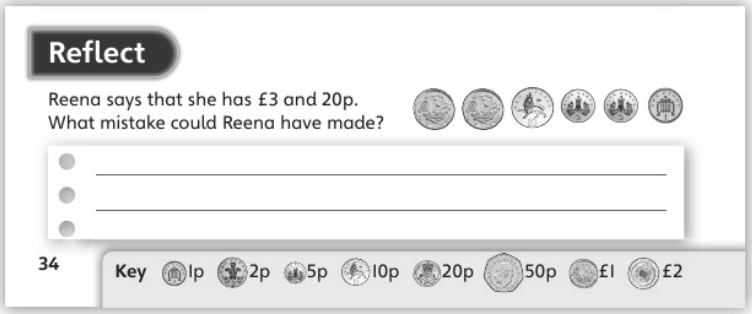
Challenge questions make you think hard!

Questions with this light bulb make you think differently.

Reflect

Each lesson ends with a **Reflect** question so you can think about what you have learnt.

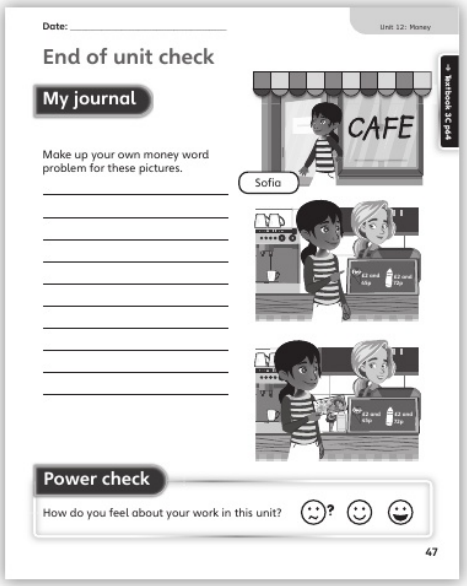
Use **My power points** at the back of this book to keep track of what you have learnt.

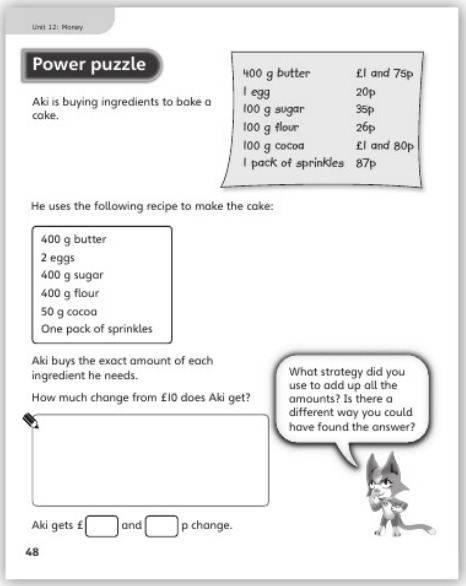


My journal

At the end of a unit your teacher will ask you to fill in **My journal**.

This will help you show how much you can do now that you have finished the unit.





Date:_____

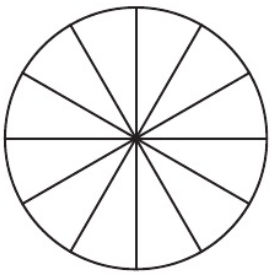
→ Textbook 3C p8

Add fractions

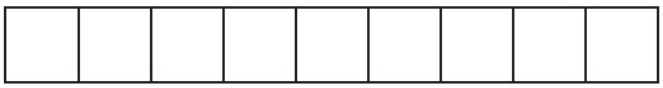
1 Add these fractions. Shade in the shapes to help you.

a) $\frac{4}{7} + \frac{2}{7} = \frac{\square}{\square}$

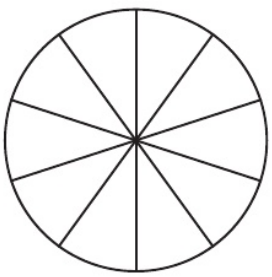
c) $\frac{7}{12} + \frac{1}{12} = \frac{\square}{\square}$



b) $\frac{2}{9} + \frac{3}{9} = \frac{\square}{\square}$



d) $\frac{5}{10} + \frac{5}{10} = \frac{\square}{\square}$



2 Add these fractions.

a) $\frac{2}{5} + \frac{1}{5} = \frac{\square}{\square}$

b) $\frac{1}{4} + \frac{2}{4} = \frac{\square}{\square}$

3 Add these fractions.

a) $\frac{1}{3} + \frac{1}{3} = \frac{\square}{\square}$

b) $\frac{2}{4} + \frac{2}{4} = \frac{\square}{\square}$

c) $\frac{3}{9} + \frac{2}{9} = \frac{\square}{\square}$

d) $\frac{\square}{\square} = \frac{2}{6} + \frac{2}{6}$

e) $\frac{1}{8} + \frac{3}{8} = \frac{\square}{\square}$

f) $\frac{3}{7} + \frac{1}{7} = \frac{\square}{\square}$

g) $\frac{\square}{\square} = \frac{3}{10} + \frac{5}{10}$

h) $\frac{3}{12} + \frac{9}{12} = \frac{\square}{\square}$

i) $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} = \frac{\square}{\square}$

4 Find the missing numerators.

a) $\frac{7}{10} + \frac{\square}{10} = \frac{9}{10}$

b) $\frac{2}{5} + \frac{\square}{5} = \frac{3}{5}$

c) $\frac{\square}{8} + \frac{1}{8} = \frac{6}{8}$

d) $\frac{3}{7} + \frac{\square}{7} = 1$

5 Find four possible additions.

$\frac{\square}{6} + \frac{\square}{6} = \frac{5}{6}$

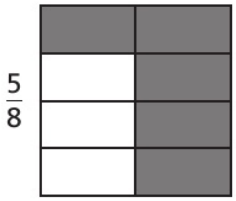
$\frac{\square}{6} + \frac{\square}{6} = \frac{5}{6}$

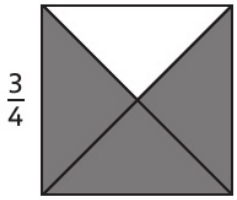
$\frac{\square}{6} + \frac{\square}{6} = \frac{5}{6}$

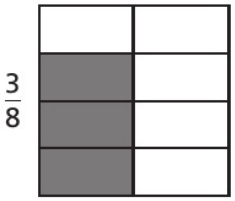
$\frac{\square}{6} + \frac{\square}{6} = \frac{5}{6}$

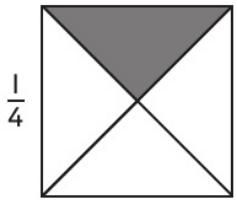
CHALLENGE

6 **a)** Which fractions make 1 when added together?
Draw lines to join the fractions.









b) Complete the calculations.

$\frac{1}{5} + \frac{\square}{5} = 1$ $\quad \frac{3}{6} + \frac{3}{\square} = 1$ $\quad \frac{\square}{10} + \frac{7}{\square} = 1$

Reflect

Richard thinks that $\frac{1}{5} + \frac{1}{5} = \frac{2}{10}$ because 1 + 1 = 2 and 5 + 5 = 10.

Jamilla thinks that $\frac{1}{5} + \frac{1}{5} = \frac{2}{5}$.

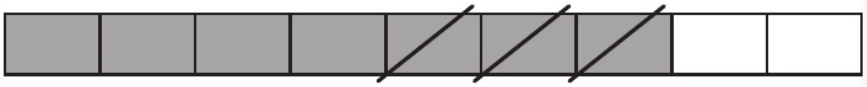
Who is correct? Explain how to add fractions with the same denominator.

→ Textbook 3C p12

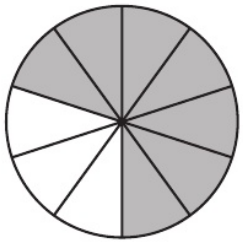
Subtract fractions

1 Subtract the fractions. Cross out parts of the diagrams to help you.

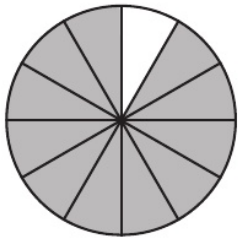
a) $\frac{7}{9} - \frac{3}{9} = \frac{\square}{\square}$



b) $\frac{7}{10} - \frac{5}{10} = \frac{\square}{\square}$



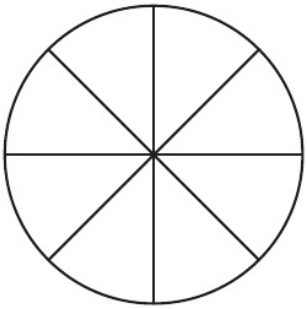
c) $\frac{11}{12} - \frac{5}{12} = \frac{\square}{\square}$



d) $1 - \frac{1}{8} = \frac{\square}{\square}$

2 Max cuts a cake into 8 slices. He eats 5 slices.

What fraction of the cake does he have left?



Max has $\frac{\square}{\square}$ of the cake left.

3 Work out the missing fractions.

a) $\frac{5}{9} - \frac{2}{9} = \frac{\square}{\square}$

b) $\frac{3}{8} - \frac{2}{8} = \frac{\square}{\square}$

c) $1 - \frac{3}{4} = \frac{\square}{\square}$

d) $\frac{\square}{\square} = \frac{3}{10} - \frac{1}{10}$

e) $\frac{10}{11} - \frac{\square}{11} = \frac{3}{11}$

f) $\frac{7}{8} - \frac{2}{\square} = \frac{5}{8}$

g) $\frac{5}{6} - \frac{\square}{\square} = \frac{1}{6}$

h) $1 - \frac{\square}{\square} = \frac{1}{9}$

i) $\frac{8}{9} = 1 - \frac{\square}{\square}$

4 Work out three possible subtractions that have an answer of $\frac{3}{8}$.

$\frac{\square}{8} - \frac{\square}{8} = \frac{3}{8}$

$\frac{\square}{8} - \frac{\square}{8} = \frac{3}{8}$

$\frac{\square}{8} - \frac{\square}{8} = \frac{3}{8}$

5 Complete the calculations.

CHALLENGE

a) $\frac{2}{5} + \frac{2}{5} - \frac{3}{5} = \frac{\square}{\square}$

b) $\frac{5}{9} + \frac{\square}{9} - \frac{2}{9} = \frac{4}{9}$

c) $\frac{7}{12} - \frac{1}{12} + \frac{\square}{\square} = 1$

d) $\frac{9}{10} - \frac{\square}{\square} + \frac{3}{10} = \frac{7}{10}$

Reflect

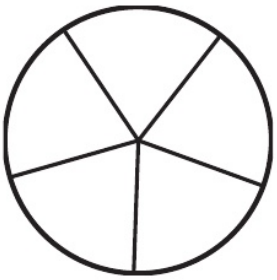
To find the difference between $\frac{7}{9}$ and $\frac{2}{9}$, Reena calculates $\frac{7}{9} - \frac{2}{9}$.
Explain how Reena could find the answer.

Date:_____

Textbook 3C p16

Partition the whole

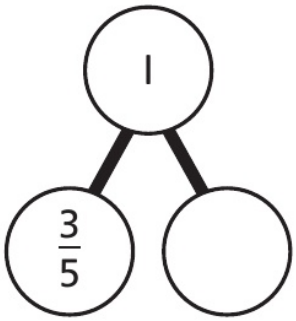
1 The circle is split into 5 equal parts.



a) Shade 3 parts.

b) Shade 2 parts in a different colour.

c) Complete the part-whole model to show the partition.



2 The fraction strip shows eighths.

Complete the part-whole model.