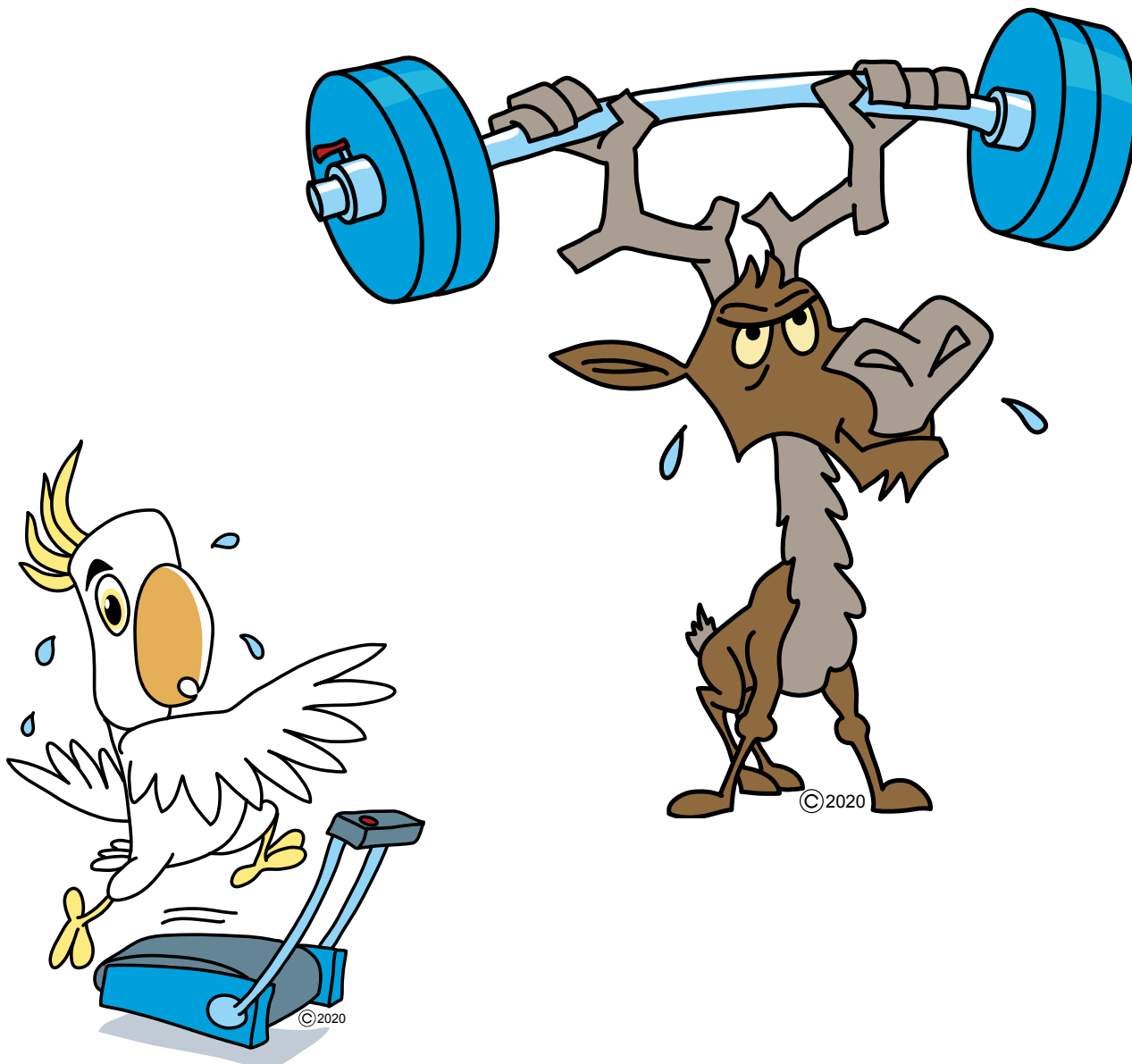




# Colin and Coco's Deliberate Practice

Year 5 Unit 7B

Multiplication and Division





# Contents

This pack of deliberate practice is designed to be used flexibly to secure the manageable steps of this unit.

The table below indicates which activities are linked to which manageable steps.

|                                                                                                                                                           | Do It | Challenge It | Play It |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|---------|
| Divide a four-digit number by a one-digit number using short division (divisor < thousands digit) with no remainder                                       | 1     |              |         |
| Divide a four-digit number by a one-digit number using short division (thousands digit = multiple of divisor, divisor < hundreds digit) with no remainder |       | 1            | 1       |
| Divide a four-digit number by a one-digit number using short division (divisor > thousands digit) with no remainder                                       | 2     |              |         |
| Divide a four-digit number by a one-digit number using short division (divisor < thousands digit) with a remainder                                        |       |              | 2       |
| Divide a four-digit number by a one-digit number using short division (divisor > thousands digit) with a remainder                                        |       | 2            |         |



Do It 1

Use a formal written method to calculate:

1.  $6248 \div 4$

6.  $6544 \div 4$

2.  $4326 \div 3$

7.  $7068 \div 3$

3.  $5085 \div 3$

8.  $8403 \div 3$

4.  $9138 \div 6$

9.  $7176 \div 6$

5.  $8298 \div 6$

10.  $8928 \div 6$

Challenge It 1

Find the missing digits.  
Solve each calculation in several ways, where possible.

$$\begin{array}{r} 2 \square 5 \square \\ \square \overline{) \square 4 \square 4} \end{array}$$

$$\begin{array}{r} \square 1 \square \square \\ \square \overline{) 8 7 8 \square} \end{array}$$

Solve them together using the digits 0 - 9 once each.



## Dividing by 5 Game

Play It 1

You need:

Two sets of 3 - 9 cards (as shown at the bottom of this page.)

To play:

Shuffle the cards and deal three cards to each player.

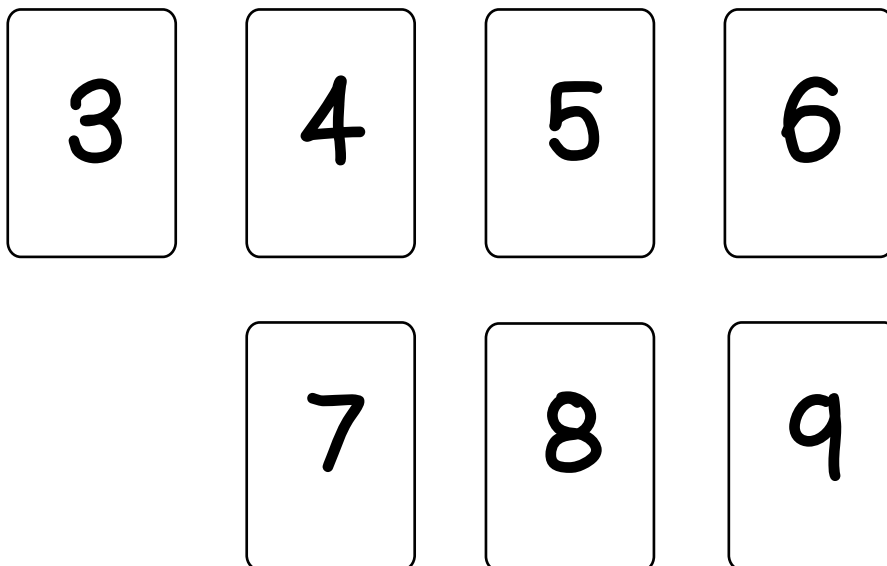
Players use their cards to complete a 4-digit number and divide it by 5

$$5 \overline{) \square \square \square 5}$$

The player with the quotient closest to 1500 scores a point.

To win:

The winner is the first player to score 5 points.





Use a formal written method to calculate:

1.  $2248 \div 4$

6.  $6576 \div 8$

2.  $1329 \div 3$

7.  $5072 \div 8$

3.  $2082 \div 3$

8.  $8406 \div 9$

4.  $3144 \div 6$

9.  $6786 \div 9$

5.  $2298 \div 6$

10.  $3696 \div 7$

## Challenge It 2

Use the digits 1, 3, 5 and 7 once each, in any combination to make a 4-digit number.

Divide the number by 9 using a formal written method.

$$9 \overline{) \begin{array}{|c|c|c|c|} \hline \square & \square & \square & \square \\ \hline \end{array}}$$

Solve it in several different ways.

How many calculations can you find which have no remainder?



## Dividing by 3 Game

Play It 2

You need:

Two sets of 0 - 9 cards (as shown at the bottom of this page.)

To play:

Shuffle the cards and deal four cards to each player.

Players use their cards to make a 4-digit number and divide it by 3

$$3 \overline{) \begin{array}{|c|c|c|c|} \hline \square & \square & \square & \square \\ \hline \end{array}}$$

The player with the quotient closest to 2100 scores a point.

To win:

The winner is the first player to score 5 points.

