

Colin and Coco's Daily Maths Workout



Workout 5.10

KeePuppI (Term 3)



KPIs for Term 3

Multiply numbers up to 4-digits by 1 or 2-digits using a formal written method Divide numbers up to 4-digits by 1-digits using a formal written method of division

Use known facts and place value to multiply a whole number by a decimal Multiply decimal numbers (1 or 2 decimal places) by 1-digit using a formal written method



Multiply Workout

Workout A

0 8 6

4 9

5 6 7

× 98

Workout B

 \times

7

4

3	5	1	
X		6	

5	2	9	
X		7	

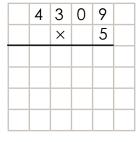
3 6 9 7 2

	7	8	9	
	Х	8 3	6	

5 6 3

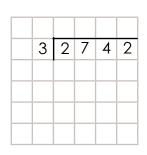
× 1 8

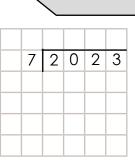
2	3	5	1	
	×		7	
	2	2 3 ×	2 3 5 × 1	2 3 5 1 × 7 7

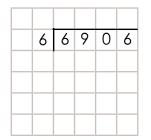


Division Workout

1

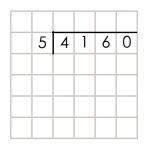


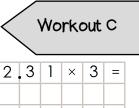




6	8	5	2	0

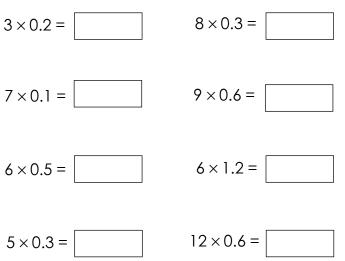
7 8 4 9

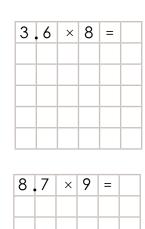




2.	2	5	×	8	=

Multiplying Decimals Workout





www.candomaths.org



You need: Multiplying Game templates (see below for Game 1, Game 2 and Game 3) Card Set A (print off the cards) for each player. Card Set B (print off the cards) for each player.

To play:

Pick Game Template 1, 2 or 3

Each player shuffles Card Set A and picks cards to create a number on the template.

Each player shuffles Card Set B and picks cards to create a number on the template.

Both players now find the answer to their calculation.

To win:

The player who calculates the highest total wins a point.

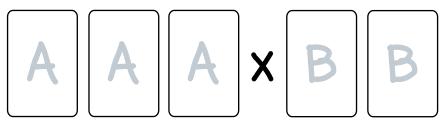
The players then rearrange the cards to try and win a second point by calculating the lowest total.

The first player to get 10 points wins the Game.

Game 1



Game 2

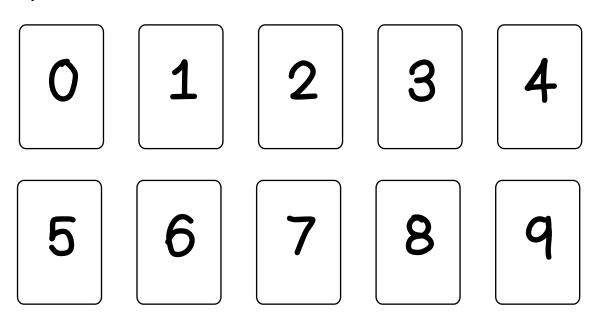


Game 3

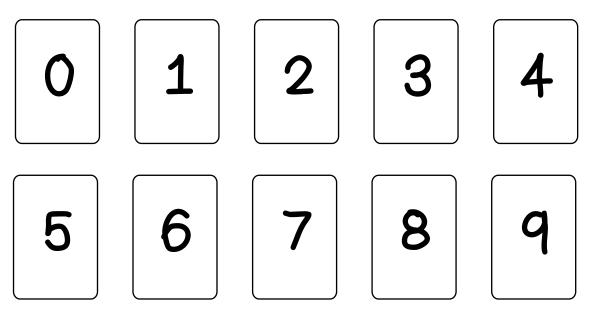




Multiplying Cards



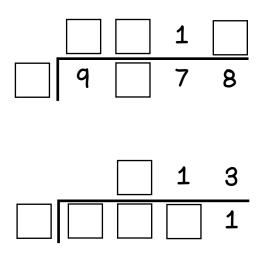
Set B





Put digits in the empty boxes to make the calculations correct.

Complete them in several different ways, where possible.



Are there any boxes that it is impossible to put a digit in? Why?

Are there any boxes that could have any of the digits in them?

Now complete it using the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 once each.



Multiplication and Division Investigations



Investigation 1

7,654 x 32 = 244,928

Use this fact to find:

i) $244,928 \div 32 =$ ii) $244,928 \div 7,654 =$ iii) $7,655 \times 32 =$ iv) $7,654 \times 33 =$ Find other facts.

8,656 ÷ 8 = 1,082

Use this fact to find:

i) $1,082 \times 8 =$ ii) $8,656 \div 1,082 =$ iii) $1,082 \times 9 =$ iv) $1,082 \times 7 =$ Find other facts.

Investigation 2: Always/Sometimes/Never True

The product of 4-digit number and a 2-digit number is a 6-digit number.

Investigation 3: Always/Sometimes/Never True

The quotient of 4-digit number and a 1-digit number is a 4-digit number.

Word Problem Workout





- 1. A ruler is 0.3m long. How far can Colin measure using 9 rulers?
- 2. A toy car costs £6.75 Coco buys 8 cars. How much does she spend in total?
- 3. Coco shares £468 equally between herself and 5 friends. How much does each person receive?
- 4. A jug holds 1,675ml of water. Colin thinks he needs 6 jugs to hold 10 litres of water. Do you agree? Give reasons for your answer.
- 5. Coco runs 3.2km every day for one week. How far does she run altogether?
- 6. A shirt costs £11.25.Colin buys 8 shirts.How much money does he have left from £100?

Create your own word problems involving multiplication and division of decimals.



Match the calculations with the correct answer. Fill in the missing buddies.

2,748 ÷ 3	
4,590 ÷ 5	919
	918
6,440 ÷ 7	917
8,226 ÷ 9	916
3,668 ÷ 4	915
7,320 ÷ 8	914

Match the calculations with the correct answer. Fill in the missing buddies.

6 × 0.4	36
3 x 1.2	0.36
	0.24
8 x 4.5	3.6
12 x 0.02	
0.8 x 8	2.4
4 x 1.25	6.4

Create your own Matching Workouts