

**DR BAKER'S YEAR 5 MATHS**  
**MONDAY 11<sup>TH</sup> MAY**



# WELCOME

Good Morning. I hope you had a lovely Bank Holiday weekend. Did you celebrate VE Day? I am sure we will all celebrate when we can come back into school properly too but for now it is back to the slides! Let's see what we have in store for Monday's maths.

First up , three problem questions for you to think about. Either do all of them or pick the one you think is the right level for you. Answers tomorrow.

A.  $\frac{4}{5}$  of a class like bananas.

*What percentage of the class like bananas?*

B.  $\frac{1}{5}$  of the pens in a box are blue. 40% of the pens are green.

*All the other pens are red. What fraction of the pens are red?*

C. 45% of a class like oranges. What fraction of the class like oranges?

# TASKS FOR TODAY



L.O. To practise addition.

This week we are going to return to practising our arithmetic skills – the foundation for everything you will do next year. I know many of you are really good at this but others need some more practise. Therefore most of you should be starting on Set B or C. A is only for people who are really struggling. I am looking for accuracy first time round and self-checking before you mark your answers. Remember to line up the number so the correct place value is on top of the same place value in the next number, and if there is a decimal point make sure that is lined up. Let's see how many you can get correct.

# SET A

$\begin{array}{r} 654 \\ + 990 \\ \hline \end{array}$	$\begin{array}{r} 768 \\ + 825 \\ \hline \end{array}$	$\begin{array}{r} 563 \\ + 161 \\ \hline \end{array}$	$\begin{array}{r} 674 \\ + 974 \\ \hline \end{array}$
$\begin{array}{r} 489 \\ + 523 \\ \hline \end{array}$	$\begin{array}{r} 325 \\ + 890 \\ \hline \end{array}$	$\begin{array}{r} 565 \\ + 297 \\ \hline \end{array}$	$\begin{array}{r} 828 \\ + 488 \\ \hline \end{array}$
$\begin{array}{r} 566 \\ + 479 \\ \hline \end{array}$	$\begin{array}{r} 189 \\ + 308 \\ \hline \end{array}$	$\begin{array}{r} 350 \\ + 431 \\ \hline \end{array}$	$\begin{array}{r} 907 \\ + 256 \\ \hline \end{array}$
$\begin{array}{r} 489 \\ + 862 \\ \hline \end{array}$	$\begin{array}{r} 629 \\ + 266 \\ \hline \end{array}$	$\begin{array}{r} 373 \\ + 821 \\ \hline \end{array}$	$\begin{array}{r} 982 \\ + 859 \\ \hline \end{array}$
$\begin{array}{r} 269 \\ + 426 \\ \hline \end{array}$	$\begin{array}{r} 274 \\ + 125 \\ \hline \end{array}$	$\begin{array}{r} 361 \\ + 929 \\ \hline \end{array}$	$\begin{array}{r} 662 \\ + 479 \\ \hline \end{array}$
$\begin{array}{r} 940 \\ + 757 \\ \hline \end{array}$	$\begin{array}{r} 668 \\ + 662 \\ \hline \end{array}$	$\begin{array}{r} 754 \\ + 740 \\ \hline \end{array}$	$\begin{array}{r} 843 \\ + 561 \\ \hline \end{array}$

# SET B

$$\begin{array}{r} 1 \quad 1638 \\ + \quad 854 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 2475 \\ + 1369 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 4853 \\ + 2526 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 3167 \\ + \quad 748 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 6929 \\ + 1549 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 5384 \\ + 4276 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 13819 \\ + \quad 7685 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 76543 \\ + 15389 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 45968 \\ + 11679 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \quad 24736 \\ + 17364 \\ \hline \end{array}$$

$$11 \quad 427\,396 + 157\,249$$

$$12 \quad 594\,149 + 446\,562$$

13 During the week 481 975 passengers arrive at Terminal 1 of an airport and 265 328 arrive at Terminal 2. How many passengers arrive at the airport altogether?

14 On Friday 609 387 copies of a newspaper are sold. On Saturday sales go up by 131 695. How many copies of the paper are sold on Saturday?

# SET C



The calculations below are missing some numbers. Complete the calculations by using the numbers in the boxes beside each one.

a)

$$\begin{array}{r} \square 1 7 \square 3 \\ + 2 \square \square 6 \square \\ \hline 4 9 2 8 1 \end{array}$$

$\begin{array}{r} 2 7 \\ 5 \quad 8 \\ 1 \end{array}$

c)

$$\begin{array}{r} 2 \square \square . 1 \square \\ + \square 2 3 . \square 8 \\ \hline 3 7 1 . 6 7 \end{array}$$

$\begin{array}{r} 4 \quad 8 \\ 4 \quad 9 \\ 1 \end{array}$

**Go on to the next slide**

# SET C



Randall the robot rounds 5-digit and 6-digit numbers before doing any calculations:

- for 5-digit even numbers, round to the nearest 10.
  - for 5-digit odd numbers, round to the nearest 100.
  - for all 6-digit numbers, round to the nearest 1000.
- a) Work out the calculations below accurately, then check by rounding according to Randall's instructions.

$$21\ 312 + 24\ 187$$

$$49\ 390 + 34\ 209$$

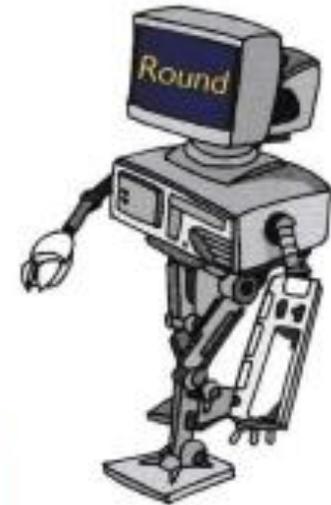
$$78\ 113 + 63\ 485$$

$$134\ 123 + 345\ 613$$

$$33\ 871 + 41\ 438$$

$$129\ 841 + 65\ 072$$

- b) Ricky the robot rounds all numbers to the nearest 100.  
He is used by a company to estimate how much stock they'll sell.  
Explain how Ricky could be improved and why.



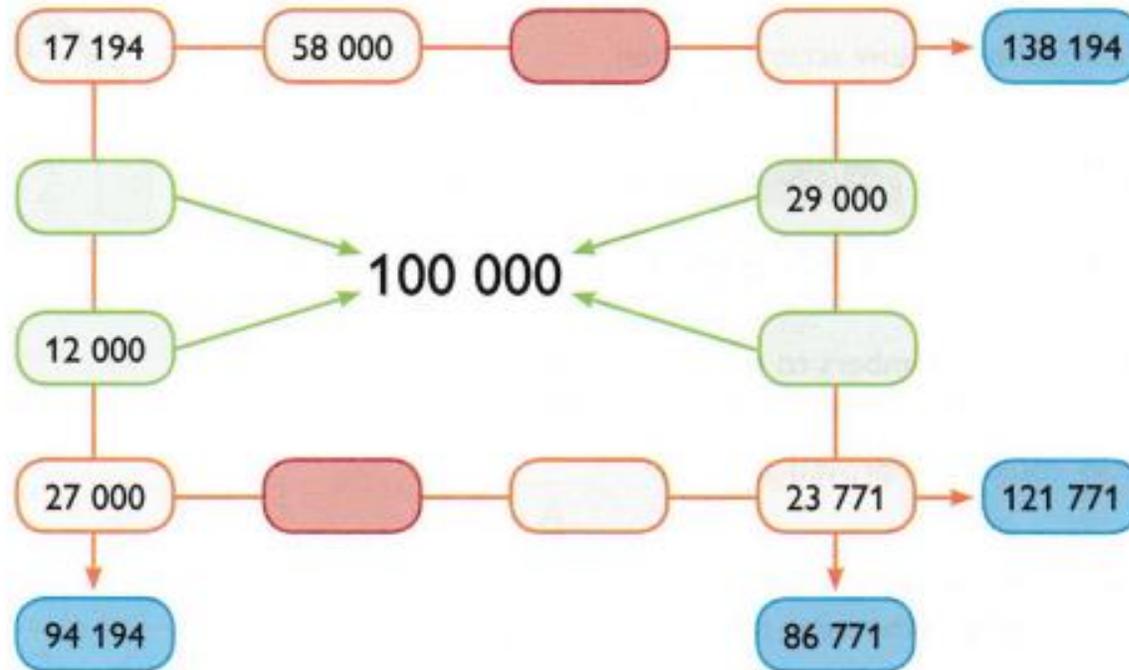
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# SET C

6

Copy and complete the diagram below.

- Each row and column should add up to the numbers in the blue boxes.
- The numbers in the green boxes should add up to 100 000.
- The numbers in the red boxes must be the same.



# SET A ANSWERS



$$\begin{array}{r} 654 \\ + 990 \\ \hline 1644 \end{array}$$

$$\begin{array}{r} 768 \\ + 825 \\ \hline 1593 \end{array}$$

$$\begin{array}{r} 563 \\ + 161 \\ \hline 724 \end{array}$$

$$\begin{array}{r} 674 \\ + 974 \\ \hline 1648 \end{array}$$

$$\begin{array}{r} 489 \\ + 523 \\ \hline 1012 \end{array}$$

$$\begin{array}{r} 325 \\ + 890 \\ \hline 1215 \end{array}$$

$$\begin{array}{r} 565 \\ + 297 \\ \hline 862 \end{array}$$

$$\begin{array}{r} 828 \\ + 488 \\ \hline 1316 \end{array}$$

$$\begin{array}{r} 566 \\ + 479 \\ \hline 1045 \end{array}$$

$$\begin{array}{r} 189 \\ + 308 \\ \hline 497 \end{array}$$

$$\begin{array}{r} 350 \\ + 431 \\ \hline 781 \end{array}$$

$$\begin{array}{r} 907 \\ + 256 \\ \hline 1163 \end{array}$$

$$\begin{array}{r} 489 \\ + 862 \\ \hline 1351 \end{array}$$

$$\begin{array}{r} 629 \\ + 266 \\ \hline 895 \end{array}$$

$$\begin{array}{r} 373 \\ + 821 \\ \hline 1194 \end{array}$$

$$\begin{array}{r} 982 \\ + 859 \\ \hline 1841 \end{array}$$

$$\begin{array}{r} 269 \\ + 426 \\ \hline 695 \end{array}$$

$$\begin{array}{r} 274 \\ + 125 \\ \hline 399 \end{array}$$

$$\begin{array}{r} 361 \\ + 929 \\ \hline 1290 \end{array}$$

$$\begin{array}{r} 662 \\ + 479 \\ \hline 1141 \end{array}$$

$$\begin{array}{r} 940 \\ + 757 \\ \hline 1697 \end{array}$$

$$\begin{array}{r} 668 \\ + 662 \\ \hline 1330 \end{array}$$

$$\begin{array}{r} 754 \\ + 740 \\ \hline 1494 \end{array}$$

$$\begin{array}{r} 843 \\ + 561 \\ \hline 1404 \end{array}$$

# SET B ANSWERS

1. 2492

2. 3844

3. 7379

4. 3915

5. 8478

6. 9660

7. 21504

8. 91932

9. 57647

10. 42100

11. 584645

12. 1040711

13. 747303

14. 741082



# SET C ANSWERS



1. a) 
$$\begin{array}{r} 21713 \\ + 27568 \\ \hline 49281 \end{array}$$

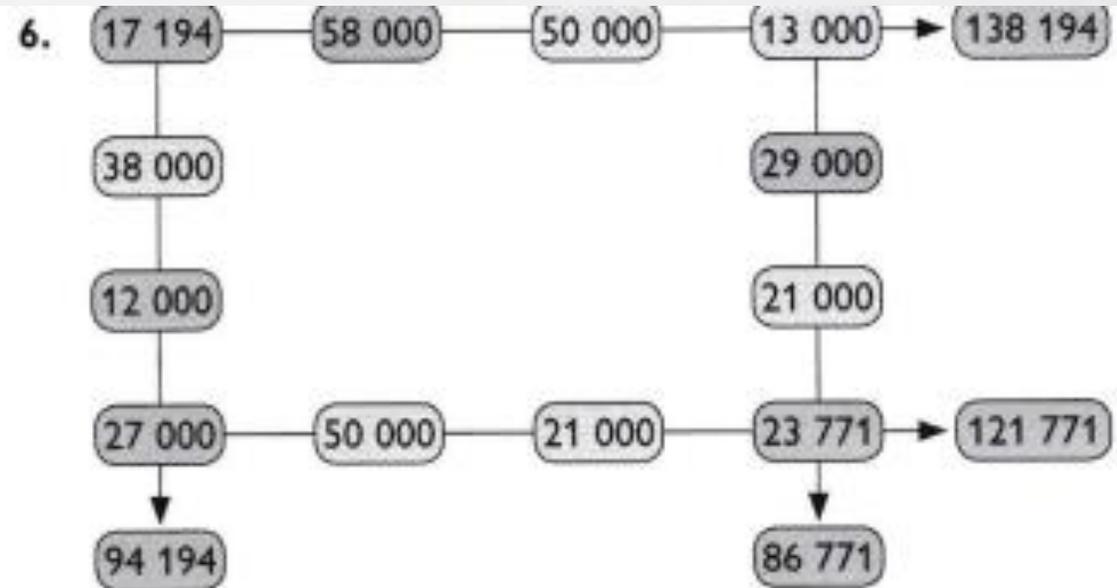
c) 
$$\begin{array}{r} 248.19 \\ + 123.48 \\ \hline 371.67 \end{array}$$

3. a)  $21\,312 + 24\,187 = 45\,499$   
 $21\,310 + 24\,200 = 45\,510$   
 $134\,123 + 345\,613 = 479\,736$   
 $134\,000 + 346\,000 = 480\,000$   
 $49\,390 + 34\,209 = 83\,599$   
 $49\,390 + 34\,200 = 83\,590$   
 $33\,871 + 41\,438 = 75\,309$   
 $33\,900 + 41\,440 = 75\,340$

$78\,113 + 63\,485 = 141\,598$   
 $78\,100 + 63\,500 = 141\,600$

$129\,841 + 65\,072 = 194\,913$   
 $130\,000 + 65\,070 = 195\,070$

b) Ricky could be improved if he rounds to the nearest 10. It would give the company a more accurate estimate.



# REMEMBER:

- **Talk to someone on your network hand if you are worried about something.**
- **If nobody is listening to your worries or there is nobody to talk to, you can google Childline or call them on 08001111. Adults at Childline are used to talking to children with worries and can help you.**
- **If you feel unsafe at home or are worried that a friend is not safe, call Mrs Patchett on 07787261064.**