

DR BAKER'S YEAR 5 MATHS
TUESDAY 12TH MAY



WELCOME

Good Morning. Here are the answers to yesterday's problem questions. Once you have marked them it is Times Table Tuesday so go to the next slide and write the answers in your books as quickly as you can.

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? **80%**

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?

$$\frac{40}{100} = \frac{2}{5}$$

C. 45% of a class like oranges. What fraction of the class like oranges? $\frac{45}{100} = \frac{9}{20}$

TIMES TABLE TUESDAY

$3 \times 4 = \underline{\quad}$

$5 \times 3 = \underline{\quad}$

$3 \times 12 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$

$8 \times 6 = \underline{\quad}$

$3 \times 9 = \underline{\quad}$

$6 \times 8 = \underline{\quad}$

$7 \times 3 = \underline{\quad}$

$1 \times 11 = \underline{\quad}$

$12 \times 9 = \underline{\quad}$

$3 \times 11 = \underline{\quad}$

$8 \times 2 = \underline{\quad}$

$5 \times 11 = \underline{\quad}$

$8 \times 10 = \underline{\quad}$

$11 \times 12 = \underline{\quad}$

$2 \times 8 = \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$11 \times 11 = \underline{\quad}$

$11 \times 8 = \underline{\quad}$

$3 \times 5 = \underline{\quad}$

TASKS FOR TODAY

L.O. To practise subtraction.

The skill we are practising today is subtraction. Normally we find this skill harder than addition so it is really important we use estimating and checking to ensure the answer is correct. Again most of you should be starting on Set B or C. A is only for people who are really struggling. As with addition 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. In subtraction it is also important to make sure the bigger number is on top. This clip will remind you what to do when the digit you are subtracting is larger than the one you are subtracting it from (don't worry if it seems to stop in the middle – there isn't a second example): [HTTPS://WWW.YOUTUBE.COM/WATCH?V=BUYAQE_L5-Y](https://www.youtube.com/watch?v=BUYAQE_L5-Y)

Let's see how many you can get correct.

SET A

$\begin{array}{r} 77 \\ - 25 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ - 34 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ - 29 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ - 51 \\ \hline \end{array}$
$\begin{array}{r} 56 \\ - 26 \\ \hline \end{array}$	$\begin{array}{r} 84 \\ - 27 \\ \hline \end{array}$	$\begin{array}{r} 79 \\ - 57 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ - 22 \\ \hline \end{array}$
$\begin{array}{r} 49 \\ - 41 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ - 45 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ - 42 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ - 65 \\ \hline \end{array}$
$\begin{array}{r} 95 \\ - 65 \\ \hline \end{array}$	$\begin{array}{r} 74 \\ - 67 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 64 \\ \hline \end{array}$	$\begin{array}{r} 93 \\ - 35 \\ \hline \end{array}$
$\begin{array}{r} 72 \\ - 45 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ - 34 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ - 60 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ - 52 \\ \hline \end{array}$
$\begin{array}{r} 79 \\ - 76 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ - 28 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ - 33 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ - 40 \\ \hline \end{array}$

SET B

$\begin{array}{r} 496360 \\ - 145037 \\ \hline \end{array}$	$\begin{array}{r} 931978 \\ - 511016 \\ \hline \end{array}$	$\begin{array}{r} 865372 \\ - 820886 \\ \hline \end{array}$	$\begin{array}{r} 274688 \\ - 257936 \\ \hline \end{array}$
$\begin{array}{r} 391939 \\ - 92342 \\ \hline \end{array}$	$\begin{array}{r} 32623 \\ - 31377 \\ \hline \end{array}$	$\begin{array}{r} 624148 \\ - 571578 \\ \hline \end{array}$	$\begin{array}{r} 688717 \\ - 611190 \\ \hline \end{array}$
$\begin{array}{r} 837467 \\ - 543582 \\ \hline \end{array}$	$\begin{array}{r} 248309 \\ - 206344 \\ \hline \end{array}$	$\begin{array}{r} 705656 \\ - 349008 \\ \hline \end{array}$	$\begin{array}{r} 653557 \\ - 250315 \\ \hline \end{array}$
$\begin{array}{r} 590389 \\ - 37214 \\ \hline \end{array}$	$\begin{array}{r} 951260 \\ - 165065 \\ \hline \end{array}$	$\begin{array}{r} 229007 \\ - 170419 \\ \hline \end{array}$	$\begin{array}{r} 401449 \\ - 205110 \\ \hline \end{array}$
$\begin{array}{r} 568050 \\ - 480955 \\ \hline \end{array}$	$\begin{array}{r} 614014 \\ - 248304 \\ \hline \end{array}$	$\begin{array}{r} 781195 \\ - 504266 \\ \hline \end{array}$	$\begin{array}{r} 868540 \\ - 773685 \\ \hline \end{array}$
$\begin{array}{r} 675435 \\ - 150388 \\ \hline \end{array}$	$\begin{array}{r} 604418 \\ - 11752 \\ \hline \end{array}$	$\begin{array}{r} 704733 \\ - 605792 \\ \hline \end{array}$	$\begin{array}{r} 499250 \\ - 484706 \\ \hline \end{array}$

SET C

1

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

b)

$$\begin{array}{r} \square 3 \square 8 \square \\ - 3 \square \square \square 2 \\ \hline 3 4 1 2 1 \end{array}$$

1	6
	9 2
7	3

d)

$$\begin{array}{r} \square 0 3 . \square \square \\ - 4 \square \square . \square 1 \\ \hline 2 8 7 . 1 3 \end{array}$$

6	2
3	7
1	4

Go on to the next slide

SET C

2

An adventure park is running a competition. To win, you need to work out the mystery number. Below are some things which have been given a number, and some others which you'll need to work out. Find the mystery number by using the calculations below.

Big wheel	28 105
Ghost train	73 740
Hot dog	59 516
Dodgems	35 932
Helter skelter	?
Popcorn	?
Roller coaster	?



- A. $\text{Hot dog} - \text{Big wheel} = \text{Helter skelter}$
- B. $\text{Popcorn} + \text{eighteen thousand} = \text{Dodgems}$
- C. $\text{Ghost train} - 34\,495 = \text{Roller coaster}$
- D. $\text{Helter skelter} + \text{Popcorn} + \text{Roller coaster} = \text{The Mystery Number}$

**Go on to
the next
slide**

SET C

Copy out the calculations below and work out the answers. If there are two boxes which are the same colour, the same number should go in both boxes.

$$112.7 + 153.1 = \begin{array}{r} \boxed{A} \\ \boxed{B} \\ \hline 508.95 \end{array} +$$

$$\boxed{A} + 623.56 = \begin{array}{r} \boxed{C} \\ \boxed{B} \\ \hline \boxed{D} \end{array} -$$

$$\boxed{C} - 599.215 = \begin{array}{r} \boxed{E} \\ \boxed{D} \\ \hline \boxed{F} \end{array} +$$

Go on to
the next
slide

SET C

7

A troll only lets people cross his bridge if he is given a certain amount of coins.

Look at the statements below:

I wasn't allowed to cross the bridge.
I had 10 500 fewer coins than Cali.

Alan

I had 9200 more coins than Damon.
The troll needed exactly 1200
fewer coins than the amount I had.

Brenda

I had 20 700 coins, but the troll
didn't let me cross the bridge.

Cali

I have the same amount of coins
as Alan and Cali put together.
I haven't tried to cross the bridge yet.

Damon

- a) How many coins do you need to cross the bridge?
- b) How many more coins does:
 - i) Alan need?
 - ii) Cali need?
 - iii) Damon need?



SET A ANSWERS



$\begin{array}{r} 77 \\ - 25 \\ \hline 52 \end{array}$	$\begin{array}{r} 46 \\ - 34 \\ \hline 12 \end{array}$	$\begin{array}{r} 30 \\ - 29 \\ \hline 1 \end{array}$	$\begin{array}{r} 91 \\ - 51 \\ \hline 40 \end{array}$
$\begin{array}{r} 56 \\ - 26 \\ \hline 30 \end{array}$	$\begin{array}{r} 84 \\ - 27 \\ \hline 57 \end{array}$	$\begin{array}{r} 79 \\ - 57 \\ \hline 22 \end{array}$	$\begin{array}{r} 88 \\ - 22 \\ \hline 66 \end{array}$
$\begin{array}{r} 49 \\ - 41 \\ \hline 8 \end{array}$	$\begin{array}{r} 64 \\ - 45 \\ \hline 19 \end{array}$	$\begin{array}{r} 89 \\ - 42 \\ \hline 47 \end{array}$	$\begin{array}{r} 68 \\ - 65 \\ \hline 3 \end{array}$
$\begin{array}{r} 95 \\ - 65 \\ \hline 30 \end{array}$	$\begin{array}{r} 74 \\ - 67 \\ \hline 7 \end{array}$	$\begin{array}{r} 65 \\ - 64 \\ \hline 1 \end{array}$	$\begin{array}{r} 93 \\ - 35 \\ \hline 58 \end{array}$
$\begin{array}{r} 72 \\ - 45 \\ \hline 27 \end{array}$	$\begin{array}{r} 56 \\ - 34 \\ \hline 22 \end{array}$	$\begin{array}{r} 83 \\ - 60 \\ \hline 23 \end{array}$	$\begin{array}{r} 73 \\ - 52 \\ \hline 21 \end{array}$
$\begin{array}{r} 79 \\ - 76 \\ \hline 3 \end{array}$	$\begin{array}{r} 37 \\ - 28 \\ \hline 9 \end{array}$	$\begin{array}{r} 67 \\ - 33 \\ \hline 34 \end{array}$	$\begin{array}{r} 63 \\ - 40 \\ \hline 23 \end{array}$

SET B ANSWERS



$\begin{array}{r} 496360 \\ - 145037 \\ \hline 351323 \end{array}$	$\begin{array}{r} 931978 \\ - 511016 \\ \hline 420962 \end{array}$	$\begin{array}{r} 865372 \\ - 820886 \\ \hline 44486 \end{array}$	$\begin{array}{r} 274688 \\ - 257936 \\ \hline 16752 \end{array}$
$\begin{array}{r} 391939 \\ - 92342 \\ \hline 299597 \end{array}$	$\begin{array}{r} 32623 \\ - 31377 \\ \hline 1246 \end{array}$	$\begin{array}{r} 624148 \\ - 571578 \\ \hline 52570 \end{array}$	$\begin{array}{r} 688717 \\ - 611190 \\ \hline 77527 \end{array}$
$\begin{array}{r} 837467 \\ - 543582 \\ \hline 293885 \end{array}$	$\begin{array}{r} 248309 \\ - 206344 \\ \hline 41965 \end{array}$	$\begin{array}{r} 705656 \\ - 349008 \\ \hline 356648 \end{array}$	$\begin{array}{r} 653557 \\ - 250315 \\ \hline 403242 \end{array}$
$\begin{array}{r} 590389 \\ - 37214 \\ \hline 553175 \end{array}$	$\begin{array}{r} 951260 \\ - 165065 \\ \hline 786195 \end{array}$	$\begin{array}{r} 229007 \\ - 170419 \\ \hline 58588 \end{array}$	$\begin{array}{r} 401449 \\ - 205110 \\ \hline 196339 \end{array}$
$\begin{array}{r} 568050 \\ - 480955 \\ \hline 87095 \end{array}$	$\begin{array}{r} 614014 \\ - 248304 \\ \hline 365710 \end{array}$	$\begin{array}{r} 781195 \\ - 504266 \\ \hline 276929 \end{array}$	$\begin{array}{r} 868540 \\ - 773685 \\ \hline 94855 \end{array}$
$\begin{array}{r} 675435 \\ - 150388 \\ \hline 525047 \end{array}$	$\begin{array}{r} 604418 \\ - 11752 \\ \hline 592666 \end{array}$	$\begin{array}{r} 704733 \\ - 605792 \\ \hline 98941 \end{array}$	$\begin{array}{r} 499250 \\ - 484706 \\ \hline 14544 \end{array}$

SET C ANSWERS

$$\begin{array}{r} \text{b)} \quad 73283 \\ - 39162 \\ \hline 34121 \end{array}$$

$$\begin{array}{r} \text{d)} \quad 703.34 \\ - 416.21 \\ \hline 287.13 \end{array}$$

2. A. $59\,516 - 28\,105 = 31\,411$
B. $17\,932 + 18\,000 = 35\,932$
C. $73\,740 - 34\,495 = 39\,245$
D. $31\,411 + 17\,932 + 39\,245 = 88\,588$

$$4. \quad 112.7 + 153.1 = \begin{array}{r} 265.8 \\ 243.15 \\ \hline 508.95 \end{array} +$$

$$\begin{array}{r} 265.8 + 623.56 = 889.36 \\ 243.15 \\ \hline 646.21 \end{array} -$$

$$\begin{array}{r} 889.36 - 599.215 = 290.145 \\ 646.21 \\ \hline 936.355 \end{array} +$$



7. a) 38 900 coins
b) i) 28 700
ii) 18 200
iii) 8000

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.**