

# Daily times tables:

Don't forget to practise daily on Times Tables Rockstars to earn coins for your Avatar! **The next Battle of the Bands will be starting soon.**

<https://play.ttrockstars.com/auth/school/student>

You can also use this link to practise your times tables:

- <https://www.timestables.co.uk/speed-test/>

18/5/20

## 4 Ops - Addition

### Written Method Layout:

$$89787 + 6879$$

Estimate:

$$90000 + 7000 = 97000$$

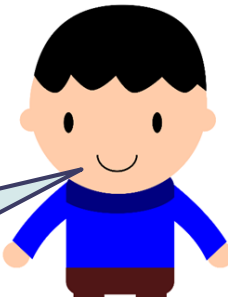
$$\begin{array}{r} 89787 \\ + 6879 \\ \hline 1111 \\ 96666 \end{array}$$

How can you check?

Inverse:

$$96666 - 6879 = 89787$$

Put the 'exchanged' numbers sitting on the line. This layout will help you when learning long multiplication.



18/5/20

## 4 Ops - Addition

- 1) ? - 70 = 310
- 2) 3,709 + 108 =
- 3) 368 + 6,073 =
- 4) ? = 8,909 + 291
- 5) 7,000 + 38 + 62 =
- 6) £6,999 + £300 =
- 7) 735cm + 5m =
- 8) ? - 568g = 602g
- 9)  $\frac{3}{9} + \frac{7}{9} =$
- 10) Frank had 198 stamps.  
He collected 5 more.  
How many stamps does  
Frank have now?

- 1) ? - £1.82 = £182
- 2) 15.67kg + 3,303g + 6.7kg =
- 3) ? = £9,789 + £97.89
- 4) 3,397m + 39.7km + 3.97km =
- 5) ? = £87.78 + £877.78
- 6) 8.701kg = ? - 4389g
- 7) 2.8L + 12,888mL =
- 8)  $\frac{1}{7} + \frac{3}{28} =$
- 9)  $\frac{1}{7} + \frac{1}{4} =$
- 10) Frank had 198 marbles.  
Freya had 189 marbles. Fran  
had 101 marbles.  
How many marbles did Fran and  
Frank have altogether?

What is the most  
**efficient** method?



# 18/5/20 ANSWERS

## 4 Ops - Addition

- 1)  $380 - 70 = 310$
- 2)  $3,709 + 108 = 3,817$
- 3)  $368 + 6,073 = 6,441$
- 4)  $9,200 = 8,909 + 291$
- 5)  $7,000 + 38 + 62 = 7,100$
- 6)  $£6,999 + £300 = £7,299$
- 7)  $735\text{cm} + 5\text{m} = 1,235\text{cm}$
- 8)  $1,170\text{g} - 568\text{g} = 602\text{g}$
- 9)  $3/9 + 7/9 = 10/9$  OR  $1 \frac{1}{9}$
- 10) Frank had 198 stamps. He collected 5 more.

How many stamps does Frank have now? = **203 stamps**

- 1)  $£183.82 - £1.82 = £182$
- 2)  $15.67\text{kg} + 3,303\text{g} + 6.7\text{kg} = 25,673\text{g}$
- 3)  $£9,886.89 = £9,789 + £97.89$
- 4)  $3,397\text{m} + 39.7\text{km} + 3.97\text{km} = 47,067\text{m}$
- 5)  $£965.56 = £87.78 + £877.78$
- 6)  $8.701\text{kg} = 13,090\text{g} - 4389\text{g}$
- 7)  $2.8\text{L} + 12,888\text{mL} = 15,688\text{mL}$
- 8)  $1/7 + 3/28 = 7/28$
- 9)  $1/7 + 1/4 = 11/28$
- 10) Frank had 198 marbles.  
Freya had 189 marbles. Fran had 101 marbles.

How many marbles did Fran and Frank have altogether? = **299 marbles**

$1\text{km} = 1000\text{m}$   
 $1\text{m} = 100\text{cm}$   
 $1\text{cm} = 10\text{mm}$

$£1 = 100\text{p}$   
 $1\text{kg} = 1000\text{g}$   
 $1\text{L} = 1000\text{ml}$



19/5/20

## 4 Ops - Subtraction

### Written Method Layout:

$$3952 - 1475 =$$

Estimate:

$$4000 - 1500 = 2500$$

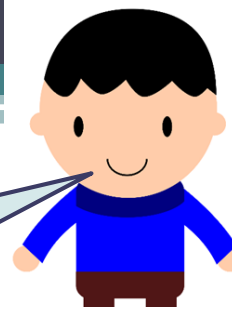
$$\begin{array}{r} \phantom{0}1 \\ \phantom{0}8 \phantom{0}4 \phantom{0}1 \\ 3 \phantom{0}9 \phantom{0}5 \phantom{0}2 \\ - 1 \phantom{0}4 \phantom{0}7 \phantom{0}5 \\ \hline 2 \phantom{0}4 \phantom{0}7 \phantom{0}7 \end{array}$$

How can you check?

Inverse:

$$2477 + 1475 = 3952$$

Make sure that your working out is clear so that you and others can follow each step you have made when checking.



19/5/20

## 4 Ops - Subtraction

- 1)  $7,776 - 66 =$
- 2)  $8,023 - 329 =$
- 3)  $9,389 - 7,894 =$
- 4)  $8,190 - 985 =$
- 5)  $£2000 - £20 =$
- 6)  $7\text{m} - 70\text{cm} =$
- 7)  $?m + 29m = 100m$
- 8)  $?cm + 11mm = 2cm$
- 9)  $7/15 - 4/15 =$
- 10) I have 201 marbles.  
You take away 30.  
How many are left?

- 1)  $£7.07 - 77p =$
- 2)  $8,785\text{m} - 8.6\text{km} =$
- 3)  $3,909\text{mL} - 2.978\text{L} =$
- 4)  $17.008\text{kg} - 7,990\text{g} =$
- 5)  $7.9\text{kg} - 6,999\text{g} =$
- 6)  $£600 - £60.06 =$
- 7)  $67,888 + ? = 100,000$
- 8)  $21/30 - 1/5 =$
- 9)  $5/6 - 1/2 =$
- 10) A library has 4,911 books. You take away 18 books. How many are left?

What is the most  
**efficient** method?



# 19/5/20 ANSWERS

## 4 Ops - Subtraction

- 1)  $7,776 - 66 = 7,710$
- 2)  $8,023 - 329 = 7,694$
- 3)  $9,389 - 7,894 = 1,495$
- 4)  $8,190 - 985 = 7,205$
- 5)  $£2000 - £20 = £1,980$
- 6)  $7\text{m} - 70\text{cm} = 630\text{cm}$
- 7)  $71\text{m} + 29\text{m} = 100\text{m}$
- 8)  $9\text{cm} + 11\text{mm} = 2\text{cm}$
- 9)  $7/15 - 4/15 = 11/15$
- 10) I have 201 marbles.  
You take away 30. How many are left? = 171 marbles

- 1)  $£7.07 - 77\text{p} = £6.30$
- 2)  $8,785\text{m} - 8.6\text{km} = 185\text{m}$
- 3)  $3,909\text{mL} - 2.978\text{L} = 931\text{mL}$
- 4)  $17.008\text{kg} - 7,990\text{g} = 9,018\text{g}$
- 5)  $7.9\text{kg} - 6,999\text{g} = 901\text{g}$
- 6)  $£600 - £60.06 = £539.94$
- 7)  $67,888 + 32,112 = 100,000$
- 8)  $21/30 - 1/5 = 15/30$
- 9)  $5/6 - 1/2 = 2/6$
- 10) A library has 4,911 books.  
You take away 18 books.  
How many are left? = 4,893 books

$$1\text{km} = 1000\text{m}$$

$$1\text{m} = 100\text{cm}$$

$$1\text{cm} = 10\text{mm}$$

$$£1 = 100\text{p}$$

$$1\text{kg} = 1000\text{g}$$

$$1\text{L} = 1000\text{ml}$$



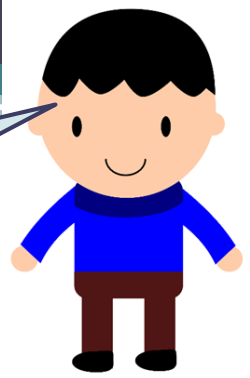
20/5/20

## 4 Ops - Multiplication

### Written Method Layout:

Th	H	T	O
	3	4	2
X			7
<hr/>			
2	3	9	4

How can you check?



	H	T	O
		2	4
X			6
<hr/>			
	1	4	4

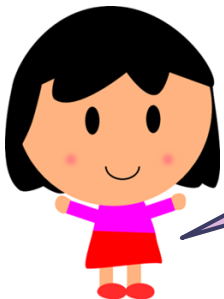
Use the expanded method initially:

	H	T	O
		2	4
X			6
<hr/>			
1	2	0	
<hr/>			
1	4	4	

→ Show the grid method alongside

X	20	4
6	120	24

$120 + 24 = 144$



Put the 'exchanged' numbers sitting on the line, not under. This layout will help you when learning long multiplication.



What is the most  
**efficient** method?



20/5/20

## 4 Ops - Multiplication

- 1)  $9^2 =$
- 2)  $81 \times 10 =$
- 3)  $100 \times 81 =$
- 4)  $81 \times 0 =$
- 5)  $81 \times 3 =$
- 6)  $63 \times 3 =$
- 7)  $62 \times 6 =$
- 8)  $64 \times 6 =$
- 9) There are 12 nets.  
Each net has 6  
nectarines in. How  
many nectarines are  
there altogether?

- 1)  $9^3 =$
- 2)  $72.4 \times 100 =$
- 3)  $1 \times 72.4 =$
- 4)  $72.4 \times 1000 =$
- 5)  $724 \times 9 =$
- 6)  $8 \times 742 =$
- 7)  $13 \times 724 =$
- 8)  $3 \times 1/5 =$
- 9) There are 200 boxes.  
Each box has  
\* nectarines in. How  
many nectarines  
are there altogether?

(\* = answer to green Q9)

What is the most  
**efficient** method?

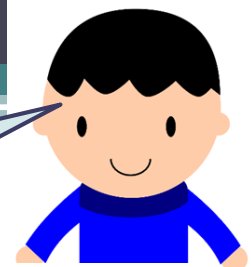


# 20/5/20 ANSWERS

## 4 Ops - Multiplication

- 1)  $9^2 = 81$
- 2)  $81 \times 10 = 810$
- 3)  $100 \times 81 = 8,100$
- 4)  $81 \times 0 = 0$
- 5)  $81 \times 3 = 243$
- 6)  $63 \times 3 = 189$
- 7)  $62 \times 6 = 372$
- 8)  $64 \times 6 = 384$
- 9) There are 12 nets. Each net has 6 nectarines in. How many nectarines are there altogether? = **72 nectarines**

- 1)  $9^3 = 729$
- 2)  $72.4 \times 100 = 7,240$
- 3)  $1 \times 72.4 = 72.4$
- 4)  $72.4 \times 1000 = 72,400$
- 5)  $724 \times 9 = 6,516$
- 6)  $8 \times 742 = 5,936$
- 7)  $13 \times 724 = 9,412$
- 8)  $3 \times 1/5 = 3/5$
- 9) There are 200 boxes. Each box has \* nectarines in. How many nectarines are there altogether? = **14,400 nectarines**  
(\* = answer to green Q9)



How can you check?

Inverse:

$$32 \times 6 + 4 = 196$$

21/5/20

4 Ops - Division

Written Method Layout:

$$196 \div 6 =$$

Estimate:

$$180 \div 6 = 30$$

$$\begin{array}{r} 032 \text{ r } 4 \\ 6 \overline{) 196} \\ \underline{18} \phantom{6} \\ 16 \phantom{6} \\ \underline{12} \phantom{6} \\ 4 \end{array}$$

$$196 \div 6 =$$

Estimate:

$$180 \div 6 = 30$$

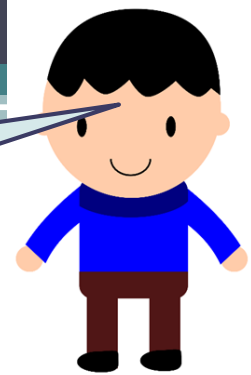
$$\begin{array}{r} 6 \overline{) 196} \\ \underline{- 60} \phantom{6} \quad 6 \times 10 \\ 136 \phantom{6} \\ \underline{- 60} \phantom{6} \quad 6 \times 10 \\ 76 \phantom{6} \\ \underline{- 60} \phantom{6} \quad 6 \times 10 \\ 16 \phantom{6} \\ \underline{- 12} \phantom{6} \quad 6 \times 2 \\ 4 \phantom{6} \quad 32 \\ \text{Answer: } 32 \text{ R } 4 \end{array}$$

The number you are dividing by (6 in this case) goes first. It is 6 multiplied by 10.

$$\text{OR } 32 \frac{4}{6}$$

Make sure that your working out is clear so that you and others can follow each step you have made when checking.





21/5/20

How can you write the remainder?

# 4 Ops - Division

## Written Method Layout:

$$432 \div 5 =$$

Estimate:

$$400 \div 5 = 80$$

NOTE: Remainders can also be expressed as a fraction or decimal.  
For example: remainder 2,  $\frac{2}{5}$  or 0.4

$$\begin{array}{r} 86 \text{ r } 2 \\ 5 \overline{) 432} \\ \underline{40} \phantom{2} \\ 32 \\ \underline{30} \\ 2 \end{array}$$

Inverse:

$$86 \times 5 + 2 = 432$$



Make sure that your working out is clear so that you and others can follow each step you have made when checking.



What is the most **efficient** method?

21/5/20

## 4 Ops - Division

- 1)  $54 \div 6 =$
- 2)  $540 \div 6 =$
- 3)  $546 \div 6 =$
- 4)  $546 \div 3 =$
- 5)  $527 \div 6 =$
- 6)  $637 \div 3 =$
- 7)  $660 \div 10 =$
- 8)  $6,600 \div 100 =$
- 9) I have 66 shells. I divide them equally between 6 boxes. How many shells are in each box?

- 1)  $? \times 10 = 73$
- 2)  $73 \div 10 =$
- 3)  $7,300 \div 100 =$
- 4)  $7,300 \div 1000 =$
- 5)  $7,337 \div 1,000 =$
- 6)  $7,337 \div 9 =$
- 7)  $8,639 \div 8 =$
- 8)  $9,458 \div 11 =$
- 9) I have 4,800 pebbles. I divide them equally between 12 pots. How many pebbles are in each pot?



# 21/5/20 ANSWERS

## 4 Ops - Division

- 1)  $54 \div 6 = 9$
- 2)  $540 \div 6 = 90$
- 3)  $546 \div 6 = 91$
- 4)  $546 \div 3 = 182$
- 5)  $527 \div 6 = 87 \text{ r}5$
- 6)  $637 \div 3 = 212 \text{ r}1$
- 7)  $660 \div 10 = 66$
- 8)  $6,600 \div 100 = 66$
- 9) I have 66 shells. I divide them equally between 6 boxes. How many shells are in each box? = 11 shells

- 1)  $7.3 \times 10 = 73$
- 2)  $73 \div 10 = 7.3$
- 3)  $7,300 \div 100 = 73$
- 4)  $7,300 \div 1000 = 7.3$
- 5)  $7,337 \div 1,000 = 7.337$
- 6)  $7,337 \div 9 = 815 \text{ r}2$
- 7)  $8,639 \div 8 = 1,079 \text{ r}7$
- 8)  $9,458 \div 11 = 859 \text{ r}9$
- 9) I have 4,800 pebbles. I divide them equally between 12 pots. How many pebbles are in each pot? = 400 pebbles