

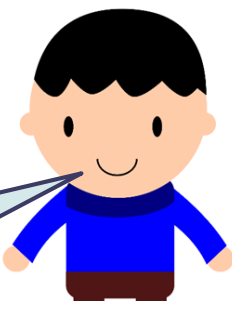
# Daily times tables:

Don't forget to practise daily on Times Tables Rockstars to earn coins for your Avatar and help your class win the Battle of the Bands!

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

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

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



How can you check?

Inverse:

$$96666 - 6879 = 89787$$

20/4/20

## 4 Ops - Addition

### Written Method Layout:

$$89787 + 6879$$

Estimate:

$$90000 + 7000 = 97000$$

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

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



20/4/20

## 4 Ops - Addition

- 1)  $? - 50 = 559$
- 2)  $3,209 + 700 =$
- 3)  $386 + 7,016 =$
- 4)  $? = 8,990 + 856$
- 5)  $4,000 + 81 + 19 =$
- 6)  $£9,999 + £3,000 =$
- 7)  $678\text{cm} + 3\text{m} =$
- 8)  $? - 609\text{g} = 101\text{g}$
- 9)  $6/15 + 6/15 =$
- 10) Jez had 199 stamps. He collected 99 more.  
How many stamps does Jez have now?

- 1)  $? - 67\text{p} = £80$
- 2)  $11.83\text{kg} + 7,803\text{g} + 8.3\text{kg} =$
- 3)  $? = £5,909 + £87.01$
- 4)  $7,821\text{m} + 82.1\text{km} + 12.8\text{km} =$
- 5)  $? = £87.13 + £871.38$
- 6)  $9.19\text{kg} = ? - 9,019\text{g}$
- 7)  $7.98\text{L} + 7,998\text{ml} =$
- 8)  $1/6 + 11/24 =$
- 9)  $1/3 + 1/12 =$
- 10) Jez had 189 marbles. Jaz had 198 marbles.  
Jayden had 107 marbles.  
How many marbles did Jez, Jayden and Jaz have altogether?

What is the most  
**efficient** method?



# 20/4/20 ANSWERS

## 4 Ops - Addition

- 1)  $609 - 50 = 559$
- 2)  $3,209 + 700 = 3,909$
- 3)  $386 + 7,016 = 7,402$
- 4)  $9,846 = 8,990 + 856$
- 5)  $4,000 + 81 + 19 = 4,100$
- 6)  $£9,999 + £3,000 = £12,999$
- 7)  $678\text{cm} + 3\text{m} = 978\text{m}$
- 8)  $710\text{g} - 609\text{g} = 101\text{g}$
- 9)  $6/15 + 6/15 = 12/15$
- 10) Jez had 199 stamps. He collected 99 more.

How many stamps does Jez have now? = **298 stamps**

- 1)  $£80.67 - 67\text{p} = £80$
- 2)  $11.83\text{kg} + 7,803\text{g} + 8.3\text{kg} = 27,933\text{g}$
- 3)  $£5,996.01 = £5,909 + £87.01$
- 4)  $7,821\text{m} + 82.1\text{km} + 12.8\text{km} = 102,721\text{m}$
- 5)  $£958.51 = £87.13 + £871.38$
- 6)  $9.19\text{kg} = 18,209\text{g} - 9,019\text{g}$
- 7)  $7.98\text{L} + 7,998\text{ml} = 15,978\text{ml}$
- 8)  $1/6 + 11/24 = 15/24$
- 9)  $1/3 + 1/12 = 5/12$
- 10) Jez had 189 marbles. Jaz had 198 marbles. Jayden had 107 marbles.  
How many marbles did Jez, Jayden and Jaz have altogether? = **494 marbles**

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

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

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

$$£1 = 100\text{p}$$

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

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



21/4/20

## 4 Ops - Subtraction

### Written Method Layout:

$$3952 - 1475 =$$

Estimate:

$$4000 - 1500 = 2500$$

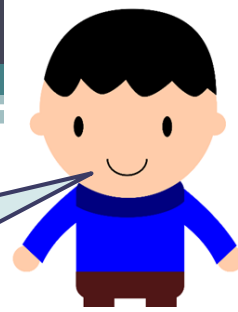
$$\begin{array}{r} \phantom{0}1 \\ \phantom{0}8 \phantom{0}4 \phantom{0}1 \\ 3 \phantom{0}9 \phantom{0}5 \phantom{0}2 \\ - 1 \phantom{0}4 \phantom{0}7 \phantom{0}5 \\ \hline 2 \phantom{0}4 \phantom{0}7 \phantom{0}7 \end{array}$$

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.



21/4/20

## 4 Ops - Subtraction

- 1)  $5,276 - 77 =$
- 2)  $8,034 - 133 =$
- 3)  $9,632 - 5,555 =$
- 4)  $8,039 - 3,999 =$
- 5)  $£500 - £5 =$
- 6)  $8\text{m} - 800\text{cm} =$
- 7)  $? \text{m} + 45\text{m} = 90\text{m}$
- 8)  $? \text{cm} + 9\text{mm} = 9\text{cm}$
- 9)  $6/7 - 3/7 =$
- 10) I have 121 marbles.  
You take away 41.  
How many are left?

- 1)  $£19,000 - £9 =$
- 2)  $8,347\text{m} - 8.09\text{km} =$
- 3)  $2,290\text{mL} - 2.050\text{L} =$
- 4)  $14.04\text{kg} - 13,040\text{g} =$
- 5)  $10.86\text{kg} - 10,777\text{g} =$
- 6)  $£700 - 77\text{p} =$
- 7)  $42,999 + ? = 99,000$
- 8)  $4/5 - 7/20 =$
- 9)  $3/4 - 5/12 =$
- 10) A library has 7,008 books. You take away 27 books. How many are left?

What is the most  
**efficient** method?



# 21/4/20 ANSWERS

## 4 Ops - Subtraction

- 1)  $5,276 - 77 = 5,199$
- 2)  $8,034 - 133 = 7,901$
- 3)  $9,632 - 5,555 = 4,077$
- 4)  $8,039 - 3,999 = 4,040$
- 5)  $£500 - £5 = £495$
- 6)  $8\text{m} - 800\text{cm} = 0\text{cm}$
- 7)  $45\text{m} + 45\text{m} = 90\text{m}$
- 8)  $81\text{cm} + 9\text{mm} = 9\text{cm}$
- 9)  $6/7 - 3/7 = 3/7$
- 10) I have 121 marbles.  
You take away 41. How  
many are left? = 80  
marbles

- 1)  $£19,000 - £9 = £18,991$
- 2)  $8,347\text{m} - 8.09\text{km} = 257\text{m}$
- 3)  $2,290\text{mL} - 2.050\text{L} = 240\text{ml}$
- 4)  $14.04\text{kg} - 13,040\text{g} = 1,000\text{g}$
- 5)  $10.86\text{kg} - 10,777\text{g} = 83\text{g}$
- 6)  $£700 - 77\text{p} = £699.23$
- 7)  $42,999 + 56,001 = 99,000$
- 8)  $4/5 - 7/20 = 9/20$
- 9)  $3/4 - 5/12 = 4/12$
- 10) A library has 7,008 books.  
You take away 27 books.  
How many are left? = 6,981  
books

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

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

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

$$£1 = 100\text{p}$$

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

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



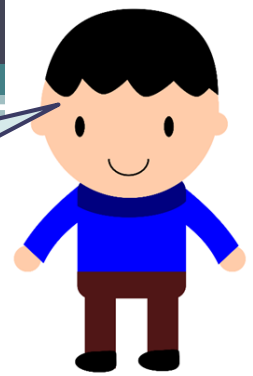
22/4/20

## 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?



22/4/20

## 4 Ops - Multiplication

- 1)  $2^3 =$
- 2)  $36 \times 10 =$
- 3)  $0 \times 36 =$
- 4)  $36 \times 100 =$
- 5)  $36 \times 3 =$
- 6)  $43 \times 3 =$
- 7)  $63 \times 3 =$
- 8)  $83 \times 3 =$
- 9) There are 12 nets.  
Each net has 3 lemons  
in. How many lemons  
are  
there altogether?

- 1)  $8^2 =$
- 2)  $87.4 \times 1 =$
- 3)  $100 \times 87.4 =$
- 4)  $87.4 \times 1,000 =$
- 5)  $874 \times 8 =$
- 6)  $11 \times 874 =$
- 7)  $12 \times 748 =$
- 8)  $748 \times 14 =$
- 9) There are 1,000 boxes.  
Each box has  
\* lemons in. How many  
lemons are there  
altogether?

(\* = answer to green Q9)

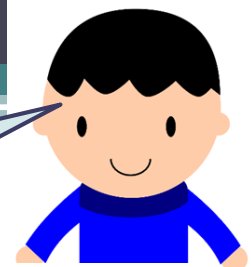
# 22/4/20 ANSWERS

## 4 Ops - Multiplication



- 1)  $2^3 = 8$
- 2)  $36 \times 10 = 360$
- 3)  $0 \times 36 = 0$
- 4)  $36 \times 100 = 3,600$
- 5)  $36 \times 3 = 108$
- 6)  $43 \times 3 = 129$
- 7)  $63 \times 3 = 189$
- 8)  $83 \times 3 = 249$
- 9) There are 12 nets. Each net has 3 lemons in. How many lemons are there altogether? = 36 lemons

- 1)  $8^2 = 64$
- 2)  $87.4 \times 1 = 87.4$
- 3)  $100 \times 87.4 = 8,740$
- 4)  $87.4 \times 1,000 = 87,400$
- 5)  $874 \times 8 = 6,992$
- 6)  $11 \times 874 = 9,614$
- 7)  $12 \times 748 = 8,976$
- 8)  $748 \times 14 = 10,472$
- 9) There are 1,000 boxes. Each box has \* lemons in. How many lemons are there altogether? = 36,000 lemons  
(\* = answer to green Q9)



How can you check?

23/4/20

## 4 Ops - Division

### Written Method Layout:

$$196 \div 6 =$$

Estimate:

$$180 \div 6 = 30$$

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

Inverse:

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

$$196 \div 6 =$$

Estimate:

$$180 \div 6 = 30$$

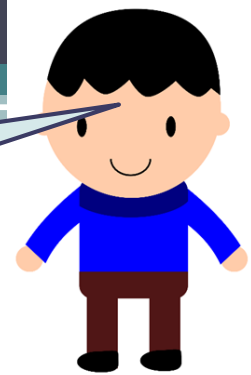
$$\begin{array}{r} 6 \overline{) 196} \\ \underline{- 60} \phantom{6} \quad 6 \times 10 \\ 136 \phantom{6} \\ \underline{- 60} \phantom{6} \quad 6 \times 10 \\ 76 \phantom{6} \\ \underline{- 60} \phantom{6} \quad 6 \times 10 \\ 16 \phantom{6} \\ \underline{- 12} \phantom{6} \quad 6 \times 2 \\ 4 \phantom{6}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

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.





23/4/20

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?

23/4/20

## 4 Ops - Division

- 1)  $36 \div 4 =$
- 2)  $320 \div 4 =$
- 3)  $328 \div 4 =$
- 4)  $364 \div 4 =$
- 5)  $367 \div 4 =$
- 6)  $821 \div 4 =$
- 7)  $360 \div 10 =$
- 8)  $3,600 \div 100 =$
- 9) I have 48 beads. I divide them equally between 4 boxes. How many beads are in each box?

- 1)  $? \times 10 = 63$
- 2)  $63 \div 10 =$
- 3)  $6,300 \div 100 =$
- 4)  $6,300 \div 1000 =$
- 5)  $6,363 \div 1,000 =$
- 6)  $6,363 \div 9 =$
- 7)  $6,489 \div 8 =$
- 8)  $6,489 \div 12 =$
- 9) I have 8,800 beads. I divide them equally between 80 boxes. How many beads are in each box?



What is the most  
**efficient** method?

# 23/4/20 ANSWERS

## 4 Ops - Division

- 1)  $36 \div 4 = 9$
- 2)  $320 \div 4 = 80$
- 3)  $328 \div 4 = 82$
- 4)  $364 \div 4 = 91$
- 5)  $367 \div 4 = 91 \text{ r } 3$
- 6)  $821 \div 4 = 205 \text{ r } 1$
- 7)  $360 \div 10 = 36$
- 8)  $3,600 \div 100 = 36$
- 9) I have 48 beads. I divide them equally between 4 boxes. How many beads are in each box? = 12 beads

- 1)  $6.3 \times 10 = 63$
- 2)  $63 \div 10 = 6.3$
- 3)  $6,300 \div 100 = 63$
- 4)  $6,300 \div 1000 = 6.3$
- 5)  $6,363 \div 1,000 = 6.363$
- 6)  $6,363 \div 9 = 707$
- 7)  $6,489 \div 8 = 811 \text{ r } 1$
- 8)  $6,489 \div 12 = 540 \text{ r } 9$
- 9) I have 8,800 beads. I divide them equally between 80 boxes. How many beads are in each box? = 110 beads