

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/>

30/3/20

4 Ops - Addition

Written Method Layout:

$$89787 + 6879$$

Estimate:

$$90000 + 7000 = 97000$$

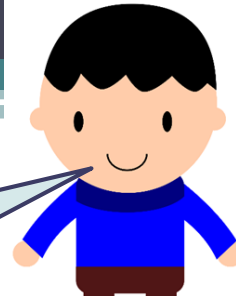
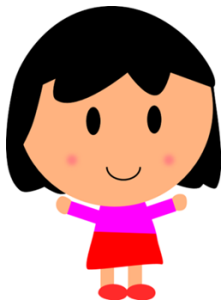
$$\begin{array}{r} 89787 \\ + 6879 \\ \hline 1111 \\ 96666 \end{array}$$

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.



30/3/20

4 Ops - Addition

- 1) $? - 40 = 579$
- 2) $3,209 + 600 =$
- 3) $716 + 7,016 =$
- 4) $? = 8,756 + 856$
- 5) $4,095 + 65 + 35 =$
- 6) $£7,999 + £1000 =$
- 7) $207\text{cm} + 3\text{m} =$
- 8) $? - 892\text{g} = 118\text{g}$
- 9) $7/15 + 4/15 =$
- 10) Jez had 199 stamps. He collected 76 more.
How many stamps does Jez have now?

- 1) $? - 82\text{p} = £80$
- 2) $11.89\text{kg} + 7,803\text{g} + 2.6\text{kg} =$
- 3) $? = £5,808 + £86.99$
- 4) $7,245\text{m} + 78.9\text{km} + 78.6\text{km} =$
- 5) $? = £94.90 + £987.97$
- 6) $7.09\text{kg} = ? - 7,009\text{g}$
- 7) $7.98\text{L} + 8,498\text{ml} =$
- 8) $2/3 + 11/24 =$
- 9) $1/3 + 2/12 =$
- 10) Jez had 867 marbles. Jaz had 198 marbles.
Jayden had 107 marbles.
How many marbles did Jez and Jaz have altogether?

What is the most
efficient method?



30/3/20 ANSWERS

4 Ops - Addition

- 1) $619 - 40 = 579$
- 2) $3,209 + 600 = 3,809$
- 3) $716 + 7,016 = 7,732$
- 4) $9,612 = 8,756 + 856$
- 5) $4,095 + 65 + 35 = 4,195$
- 6) $£7,999 + £1000 = £8,999$
- 7) $207\text{cm} + 3\text{m} = 507\text{cm}$
- 8) $1,010\text{g} - 892\text{g} = 118\text{g}$
- 9) $7/15 + 4/15 = 11/15$
- 10) Jez had 199 stamps. He collected 76 more.
How many stamps does Jez have now? = 275 stamps

- 1) $£80.82 - 82\text{p} = £80$
- 2) $11.89\text{kg} + 7,803\text{g} + 2.6\text{kg} = 22,293\text{g}$
- 3) $£5,894.99 = £5,808 + £86.99$
- 4) $7,245\text{m} + 78.9\text{km} + 78.6\text{km} = 164,745\text{m}$
- 5) $£1,082.87 = £94.90 + £987.97$
- 6) $7.09\text{kg} = 14,099\text{g} - 7,009\text{g}$
- 7) $7.98\text{L} + 8,498\text{ml} = 16,478\text{ml}$
- 8) $2/3 + 11/24 = 16/24 + 11/24 = 27/24 \text{ OR } 1 \frac{3}{24}$
- 9) $1/3 + 2/12 = 4/12 + 2/12 = 6/12 \text{ OR } 1/2$
- 10) Jez had 867 marbles. Jaz had 198 marbles. Jayden had 107 marbles.
How many marbles did Jez and Jaz have altogether? = $1,065$ marbles

1km = 1000m

1m = 100cm

1cm = 10mm

£1 = 100p

1kg = 1000g

1L = 1000ml



31/3/20

4 Ops - Subtraction

Written Method Layout:

$$3952 - 1475 =$$

Estimate:

$$4000 - 1500 = 2500$$

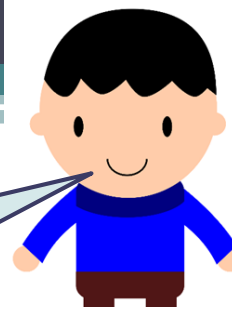
$$\begin{array}{r} 1 \\ 8 4 1 \\ 3 9 5 2 \\ - 1 4 7 5 \\ \hline 2 4 7 7 \end{array}$$

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.



31/3/20

4 Ops - Subtraction

- 1) $9,276 - 177 =$
- 2) $8,034 - 7,905 =$
- 3) $1,632 - 888 =$
- 4) $8,034 - 6,999 =$
- 5) $£400 - £40 =$
- 6) $7\text{m} - 70\text{cm} =$
- 7) $? \text{m} + 25\text{m} = 90\text{m}$
- 8) $? \text{cm} + 90\text{mm} = 90\text{cm}$
- 9) $7/8 - 7/8 =$
- 10) I have 121 marbles.
You take away 31.
How many are left?

- 1) $£20,000 - £9 =$
- 2) $8,347\text{m} - 5.92\text{km} =$
- 3) $3,290\text{mL} - 1.005\text{L} =$
- 4) $13.3\text{kg} - 12,709\text{g} =$
- 5) $16.86\text{kg} - 10,777\text{g} =$
- 6) $£800 - 88\text{p} =$
- 7) $42,999 + ? = 74,000$
- 8) $4/5 - 3/20 =$
- 9) $2/3 - 1/12 =$
- 10) A library has 7,008 books. You take away 37 books. How many are left?

What is the most
efficient method?



31/3/20 ANSWERS

4 Ops - Subtraction

- 1) $9,276 - 177 = 9,099$
- 2) $8,034 - 7,905 = 129$
- 3) $1,632 - 888 = 744$
- 4) $8,034 - 6,999 = 1,035$
- 5) $£400 - £40 = £360$
- 6) $7\text{m} - 70\text{cm} = 630\text{cm}$
- 7) $65\text{m} + 25\text{m} = 90\text{m}$
- 8) $81\text{cm} + 90\text{mm} = 90\text{cm}$
- 9) $7/8 - 7/8 = 0$
- 10) I have 121 marbles.
You take away 31. How many are left? = 90 marbles

- 1) $£20,000 - £9 = £19,991$
- 2) $8,347\text{m} - 5.92\text{km} = 2,427\text{m}$
- 3) $3,290\text{mL} - 1.005\text{L} = 2,285\text{ml}$
- 4) $13.3\text{kg} - 12,709\text{g} = 591\text{g}$
- 5) $16.86\text{kg} - 10,777\text{g} = 6,083\text{g}$
- 6) $£800 - 88\text{p} = £799.12$
- 7) $42,999 + 31,001 = 74,000$
- 8) $4/5 - 3/20 = 13/20$
- 9) $2/3 - 1/12 = 7/12$
- 10) A library has 7,008 books.
You take away 37 books.
How many are left? = 6,971 books

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

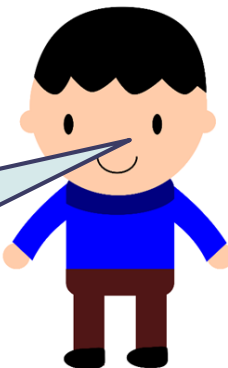
$$1\text{m} = 100\text{cm}$$

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

$$£1 = 100\text{p}$$

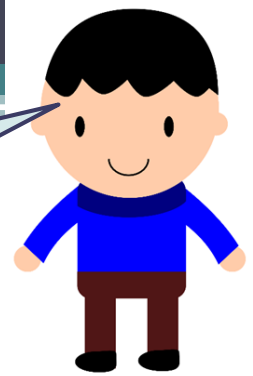
$$1\text{kg} = 1000\text{g}$$

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



1/4/20

How can you check?



4 Ops - Multiplication

Written Method Layout:

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

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

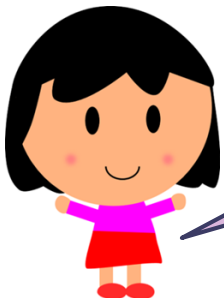
Use the expanded method initially:

	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?



1/4/20

4 Ops - Multiplication

- 1) $7^2 =$
- 2) $49 \times 10 =$
- 3) $1 \times 49 =$
- 4) $49 \times 100 =$
- 5) $42 \times 4 =$
- 6) $43 \times 4 =$
- 7) $45 \times 4 =$
- 8) $49 \times 4 =$
- 9) There are 11 nets.
Each net has 7 lemons
in. How many lemons
are
there altogether?

- 1) $7^3 =$
- 2) $73.6 \times 0 =$
- 3) $10 \times 73.6 =$
- 4) $73.6 \times 1,000 =$
- 5) $736 \times 7 =$
- 6) $11 \times 736 =$
- 7) $12 \times 763 =$
- 8) $763 \times 15 =$
- 9) There are 100 boxes.
Each box has
* lemons in. How many
lemons are there
altogether?

(* = answer to green Q9)

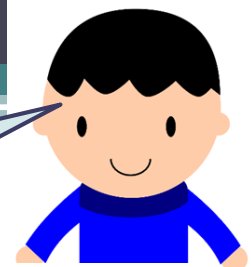
1/4/20 ANSWERS

4 Ops - Multiplication



- 1) $7^2 = 49$
- 2) $49 \times 10 = 490$
- 3) $1 \times 49 = 49$
- 4) $49 \times 100 = 4,900$
- 5) $42 \times 4 = 168$
- 6) $43 \times 4 = 172$
- 7) $45 \times 4 = 180$
- 8) $49 \times 4 = 196$
- 9) There are 11 nets. Each net has 7 lemons in. How many lemons are there altogether? = 77 lemons

- 1) $7^3 = 343$
- 2) $73.6 \times 0 = 0$
- 3) $10 \times 73.6 = 736$
- 4) $73.6 \times 1,000 = 73,600$
- 5) $736 \times 7 = 5,152$
- 6) $11 \times 736 = 8,096$
- 7) $12 \times 763 = 9,156$
- 8) $763 \times 15 = 11,445$
- 9) There are 100 boxes. Each box has * lemons in. How many lemons are there altogether? = 7,700 lemons
(* = answer to green Q9)



How can you check?

2/4/20

4 Ops - Division

Written Method Layout:

$$196 \div 6 =$$

Estimate:

$$180 \div 6 = 30$$

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

Inverse:

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

$$196 \div 6 =$$

Estimate:

$$180 \div 6 = 30$$

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

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

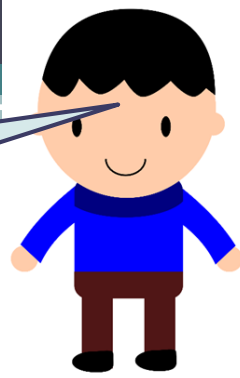
$$\text{OR } 32 \frac{4}{6}$$

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



2/4/20

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

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

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?

2/4/20

4 Ops - Division

- 1) $21 \div 3 =$
- 2) $321 \div 3 =$
- 3) $330 \div 3 =$
- 4) $364 \div 3 =$
- 5) $365 \div 3 =$
- 6) $623 \div 3 =$
- 7) $620 \div 10 =$
- 8) $6,200 \div 100 =$
- 9) I have 36 beads. I divide them equally between 3 boxes. How many beads are in each box?

- 1) $? \times 10 = 84$
- 2) $84 \div 10 =$
- 3) $8,400 \div 100 =$
- 4) $8,400 \div 1000 =$
- 5) $8,463 \div 1,000 =$
- 6) $8,463 \div 7 =$
- 7) $6,389 \div 7 =$
- 8) $6,389 \div 12 =$
- 9) I have 8,400 beads. I divide them equally between 7 boxes. How many beads are in each box?



2/4/20 ANSWERS

4 Ops - Division

- 1) $21 \div 3 = 7$
- 2) $321 \div 3 = 107$
- 3) $330 \div 3 = 110$
- 4) $364 \div 3 = 121 \text{ r } 1$
- 5) $365 \div 3 = 121 \text{ r } 2$
- 6) $623 \div 3 = 207 \text{ r } 2$
- 7) $620 \div 10 = 62$
- 8) $6,200 \div 100 = 62$
- 9) I have 36 beads. I divide them equally between 3 boxes. How many beads are in each box? = 12 beads

- 1) $8.4 \times 10 = 84$
- 2) $84 \div 10 = 8.4$
- 3) $8,400 \div 100 = 84$
- 4) $8,400 \div 1000 = 8.4$
- 5) $8,463 \div 1,000 = 8.463$
- 6) $8,463 \div 7 = 1,209$
- 7) $6,389 \div 7 = 912 \text{ r } 5$
- 8) $6,389 \div 12 = 532 \text{ r } 5$
- 9) I have 8,400 beads.
I divide them
equally between 7
boxes. How many beads
are in each box?
= 1,200 beads