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 has started and this time it's Year 5 Boys V Year 5 Girls!**

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/

1/6/20
4 Ops – Addition
Written Method Layout:

How can you check?

Inverse:

$96666 - 6879 = 89787$

$89787 + 6879$

Estimate:

$90000 + 7000 = 97000$

```
    8 9 7 8 7
+     6 8 7 9
  _1_1_1_1___
    9 6 6 6 6
```

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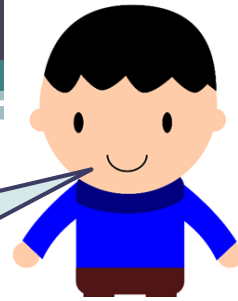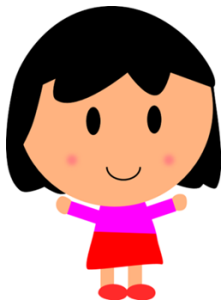
4 Ops – Addition

1) **?** - 70 = 430
2) 3,709 + 219 =
3) 584 + 6,073 =
4) **?** = 8,909 + 652
5) 7,000 + 59 + 41 =
6) £4,999 + £300 =
7) **635cm** + 4**m** =
8) **?** - 568g = 609g
9) 3/12 + 8/12 =
10) Oliver had 197 stamps.
    He collected 6 more.
How many stamps does
Oliver have now?

1) **?** - £1.18 = £118
2) 13.07kg + 3,383g + 6.17kg =
3) **?** = £9,009 + £90.09
4) 3,389**m** + 38.9**km** + 3.89**km** =
5) **?** = £89.89 + £877.89
6) 9.703kg = **?** - 4009g
7) 2.8**L** + 11,998**mL** =
8) 3/8 + 1/4 =
9) 3/8 + 1/5 =
10) Oliver had 197 marbles.
    Olivia had 179 marbles.
    Olive had 190 marbles.
How many marbles did Olivia
and Oliver have altogether?

What is the most
efficient method?

1/6/20 ANSWERS

4 Ops – Addition

1) 500 - 70 = 430
2) 3,709 + 219 = 3,928
3) 584 + 6,073 = 6,657
4) **9,561** = 8,909 + 652
5) 7,000 + 59 + 41 = 7,100
6) £4,999 + £300 = £5,299
7) **635cm** + 4m = 1,035m
8) **1,177g** - 568g = 609g
9) 3/12 + 8/12 = 11/12
10) Oliver had 197 stamps. He collected 6 more.
How many stamps does Oliver have now? = 203 stamps

1) **£119.18** - £1.18 = £118
2) 13.07kg + 3,383g + 6.17kg = 22,623g
3) **£9,099.09** = £9,009 + £90.09
4) 3,389**m** + 38.9**km** + 3.89**km** = 46,179m
5) **£967.78** = £89.89 + £877.89
6) 9.703kg = **13,712g** - 4009g
7) 2.8**L** + 11,998**mL** = 14,798mL
8) 3/8 + 1/4 = 5/8
9) 3/8 + 1/5 = 23/40
10) Oliver had 197 marbles. Olivia had 179 marbles. Olive had 190 marbles.
How many marbles did Olivia and Oliver have altogether? = 376 marbles

Remember:
1km = 1000m	£1 = 100p
1m = 100cm	1kg = 1000g
1cm = 10mm	1L = 1000ml

4 Ops – Subtraction

How can you check?

Written Method Layout:

Inverse:

$2477 + 1475 = 3952$

$3952 - 1475 =$

Estimate:

$4000 - 1500 = 2500$

$$
\begin{array}{cccc}
 & 1 & & \\
 & {}^{8}\!\!\not{9} & {}^{4}\!\!\not{5} & {}^{1}\!\!2 \\
3 & \not{9} & \not{5} & 2 \\
- \quad 1 & 4 & 7 & 5 \\
\hline
2 & 4 & 7 & 7 \\
\end{array}
$$

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

2/6/20
4 Ops – Subtraction

1) 7,786 – 76 =
2) 7,031 – 329 =
3) 8,389 – 7,999 =
4) 8,190 – 407 =
5) £3,000 - £300 =
6) **9m** – 200**cm** =
7) **?m** + 39m = 100m
8) **?mm** + 13**mm** = 2**cm**
9) 17/20 - 6/20 =
10) I have 201 marbles. You take away 40. How many are left?

1) £6.06 – 60p =
2) 8,333**m** – 8.003**km** =
3) 4,101**mL** – 3.999**L** =
4) 11.002**kg** - 7,808**g** =
5) 4.1**kg** – 3,333**g** =
6) £300 - £39.93 =
7) 33,333 + **?** = 100,000
8) 17/20 - 2/5 =
9) 2/3 - 1/5 =
10) A library has 6,606 books. You take away 13 books. How many are left?

What is the most **efficient** method?

2/6/20 ANSWERS 4 Ops – Subtraction

Remember:
1km = 1000m   £1 = 100p
1m = 100cm   1kg = 1000g
1cm = 10mm   1L = 1000ml

1) 7,786 – 76 = 7,710
2) 7,031 – 329 = 6,702
3) 8,389 – 7,999 = 390
4) 8,190 – 407 = 7,783
5) £3,000 - £300 = £2,700
6) **9m** – 200**cm** = 700cm
7) **61m** + 39m = 100m
8) **7mm** + 13**mm** = 2**cm**
9) 17/20 - 6/20 = 11/20
10) I have 201 marbles. You take away 40. How many are left? = 161 marbles

1) £6.06 – 60p = £5.46
2) 8,333**m** – 8.003**km** = 330m
3) 4,101**mL** – 3.999**L** = 102mL
4) 11.002**kg** - 7,808**g** = 3,194g
5) 4.1**kg** – 3,333**g** = 767g
6) £300 - £39.93 = £260.07
7) 33,333 + **66,667** = 100,000
8) 17/20 - 2/5 = 9/20
9) 2/3 - 1/5 = 7/15
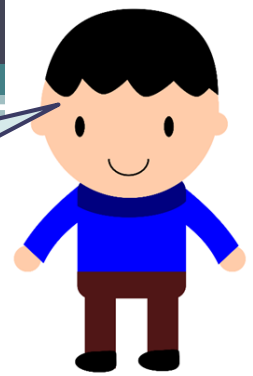10) A library has 6,606 books. You take away 13 books. How many are left? = 6,593 books

3/6/20
4 Ops – Multiplication
Written Method Layout:

How can you check?

```
Th   H   T   O
     3   4   2
  X          7
     2   1
  2  3   9   4
```

```
    H   T   O
        2   4
  X         6
            2
    1   4   4
```

Use the expanded method initially:

```
    H   T   O
        2   4
  X         6
        2   4    (4 x6)
    1   2   0    (20 x6)
    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.

3/6/20

4 Ops – Multiplication

1) 4^2 =
2) 49 x 10 =
3) 100 x 49 =
4) 49 x 0 =
5) 49 x 3 =
6) 94 x 3 =
7) 73 x 6 =
8) 74 x 6 =
9) There are 12 punnets. Each punnet has 8 cherries in. How many cherries are there altogether?

1) 8^3=
2) 64.8 x 100 =
3) 1 x 64.8 =
4) 64.8 x 1000 =
5) 648 x 9 =
6) 8 x 864 =
7) 13 x 648 =
8) 5 x 1/5 =
9) There are 200 boxes. Each box has * cherries in. How many cherries are there altogether?
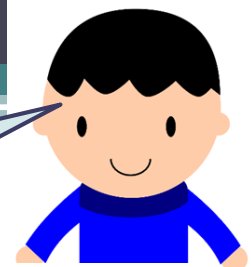
(* = answer to green Q9)

3/6/20 ANSWERS
4 Ops – Multiplication

What is the most **efficient** method?

1) 4^2 = 16
2) 49 x 10 = 490
3) 100 x 49 = 4,900
4) 49 x 0 = 0
5) 49 x 3 = 147
6) 94 x 3 = 282
7) 73 x 6 = 438
8) 74 x 6 = 444
9) There are 12 punnets. Each punnet has 8 cherries in. How many cherries are there altogether? = 96 cherries

1) 8^3= 512
2) 64.8 x 100 = 6,480
3) 1 x 64.8 = 64.8
4) 64.8 x 1000 = 64,800
5) 648 x 9 = 5,832
6) 8 x 864 = 6,912
7) 13 x 648 = 8,424
8) 5 x 1/5 = 5/5 = 1 whole
9) There are 200 boxes. Each box has * cherries in. How many cherries are there altogether? = 19,200 cherries

(* = answer to green Q9)

4 Ops – Division

Written Method Layout:

How can you check?

$196 \div 6 =$

Estimate:

$180 \div 6 = 30$

Inverse:

$32 \times 6 + 4 = 196$

```
  0 3 2   r 4
      |
      1
6 | 1 9 6
```

$196 \div 6 =$

Estimate:

$180 \div 6 = 30$

```
6)196
- 60   6×10
 136
- 60   6×10
  76
- 60   6×10
  16
- 12   6× 2
   4    32
```

Answer: 32 R 4   OR 32 $\frac{4}{6}$

The number you are dividing by (6 in this case) goes first. It is 6 multiplied by 10.
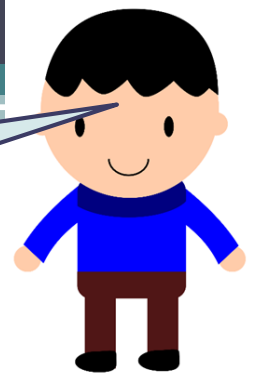
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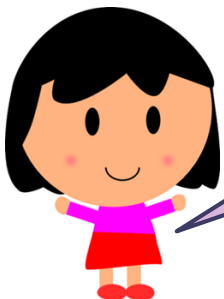
4/6/20

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, 2/5 or 0.4

```
0 8 6  r 2
       3
5   4 3 2
```

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.

4/6/20

4 Ops – Division

1) 24 ÷ 4 =
2) 240 ÷ 4 =
3) 488 ÷ 8 =
4) 816 ÷ 8 =
5) 561 ÷ 8 =
6) 561 ÷ 4 =
7) 480 ÷ 10 =
8) 4,800 ÷ 100 =
9) I have 64 shells. I divide them equally between 8 boxes. How many shells are in each box?

1) ? x 10 = 84
2) 84 ÷ 10 =
3) 8,400 ÷ 100 =
4) 8,400 ÷ 1000 =
5) 8,448 ÷ 1,000 =
6) 8,448 ÷ 9 =
7) 8,789 ÷ 8 =
8) 9,987 ÷ 11 =
9) I have 840 pebbles. I divide them equally between 12 pots. How many pebbles are in each pot?

4/6/20 ANSWERS
4 Ops - Division

1) 24 ÷ 4 = 6
2) 240 ÷ 4 = 60
3) 488 ÷ 8 = 61
4) 816 ÷ 8 = 102
5) 561 ÷ 8 = 70 r1
6) 561 ÷ 4 = 140 r1
7) 480 ÷ 10 = 48
8) 4,800 ÷ 100 = 48
9) I have 64 shells. I divide them equally between 8 boxes. How many shells are in each box? = 8 shells

1) 8.4 x 10 = 84
2) 84 ÷ 10 = 8.4
3) 8,400 ÷ 100 = 84
4) 8,400 ÷ 1000 = 8.4
5) 8,448 ÷ 1,000 = 8.448
6) 8,448 ÷ 9 = 938 r6
7) 8,789 ÷ 8 = 1,098 r5
8) 9,987 ÷ 11 = 907 r10
9) I have 840 pebbles. I divide them equally between 12 pots. How many pebbles are in each pot?
   = 70 pebbles