Good Morning Year 5

Hope you are all well!

First up we have maths.

Today we are going to continue multiplying by 10,100 and 1000 but this time will include decimals. The whole concept of multiplying and dividing does not change it just includes a decimal point!

Multiplying Decimals by 10, 100 or 1000

When multiplying a decimal number by 10, 100 or 1000, the value of each digit is multiplied.

$3.02 \times 10 = 30.2$

$3.02 \times 100 = 302$

$3.02 \times 1000 = 3020$

Each digit moves the necessary number of places to the left because multiplying by 10, 100 or 1000 increases the number.

| | | | 3 | . | 0 | 2 | |
| | | 3 | 0 | . | 2 | | ← x 10 |

| | | | 3 | . | 0 | 2 | |
| | 3 | 0 | 2 | . | | | ← x 100 |

| | | | 3 | . | 0 | 2 | |
| 3 | 0 | 2 | 0 | . | | | ← x 1000 |

Remember:

1. Keep the digits together. Don't let any 0s jump in!

$3.02 \times 100 = \begin{array}{l} 300.2 ✗ \\ 302 ✓ \end{array}$

2. Round to check:

$3.02 \times 1000 = 3020$

use $3 \times 1000 = 3000$

Choose your chilli challenge below.

1. 23.5 × 100 = _____
2. 1.15 × 100 = _____
3. 4.97 × 10 = _____
4. 69.8 × 100 = _____
5. 0.12 × 1,000 = _____
6. 0.28 × 100 = _____
7. 24.4 × 10 = _____
8. 5.08 × 100 = _____
9. 31.5 × 10 = _____
10. 92.5 × 1,000 = _____
11. 7.81 × 100 = _____
12. 8.78 × 10 = _____
13. 1.32 × 1,000 = _____
14. 62.0 × 10 = _____
15. 6.77 × 1,000 = _____
16. 97.6 × 100 = _____
17. 2.11 × 100 = _____
18. 6.39 × 1,000 = _____

1. 85.2 × 10 = _____
2. 59.2 × 10 = _____

3. 74.8 × 10 = _____
4. 0.13 × 10 = _____

5. 6.00 × 10 = _____
6. 9.05 × 100 = _____

7. 4.7 × 1,000 = _____
8. 0.81 × 100 = _____

9. 6.92 × 100 = _____
10. 36.2 × 10 = _____

11. 2.58 × 1,000 = _____
12. 73.6 × 10 = _____

13. 8.09 × 100 = _____
14. 8.79 × 10 = _____

15. 3.57 × 1,000 = _____
16. 21.6 × 100 = _____

17. 58.0 × 100 = _____
18. 2.06 × 100 = _____

1. 0.24 × 100 = _____   2. 3.26 × 100 = _____

3. 54.3 × 10 = _____   4. 5.14 × 100 = _____

5. 6.45 × 100 = _____   6. 82.9 × 100 = _____

7. 79.0 × 10 = _____   8. 0.20 × 1,000 = _____

9. 15.0 × 100 = _____   10. 1.16 × 10 = _____

11. 5.1 × 100 = _____   12. 54.8 × 100 = _____

13. 4.6 × 10 = _____   14. 90.5 × 100 = _____

15. 50.1 × 1,000 = _____   16. 6.09 × 10 = _____

17. 67.5 × 100 = _____   18. 9.20 × 100 = _____

Our next lesson is English.

Read the story starter below and complete the activities under it.

Watching each other, the two figures stood with their feet firmly planted on the ground.

The connection between them was extraordinary; far more powerful that the normal connection between a father and his son.

The light above them flickered and hummed before exploding completely, showering the ground in broken glass. But still, their eye-contact remained.

As the power began to course through each of their veins, the two figures felt the same sensation growing within them. It was as if an electrical current buzzed around their bodies.

As they placed a hand against the cold stone of the wall beside them, the power surged again. The current passed through their fingertips, and made its way along the contours of the wall, wriggling its way through until it reached the other person.

Their connection was strong. Their connection was true. The question was, how would they weald their new found power?

Question Time

- What makes these two characters so extraordinary?
- How are they similar/different to a normal father and son?
- What power do they possess? Can you explain it?
- Why does the boy possess the same power as his father?
- Are there any other powers that they possess?
- How will they use their powers?
- Will they be able to lead a normal life?
- Are they always in control of their powers?
- Are we always in control of our powers and feelings?

Perfect Picture!

What power is it that they possess?

Can you draw them using their power?

Could they use it in such a way as to help people?

Next is handwriting

Practise these joins in your book.

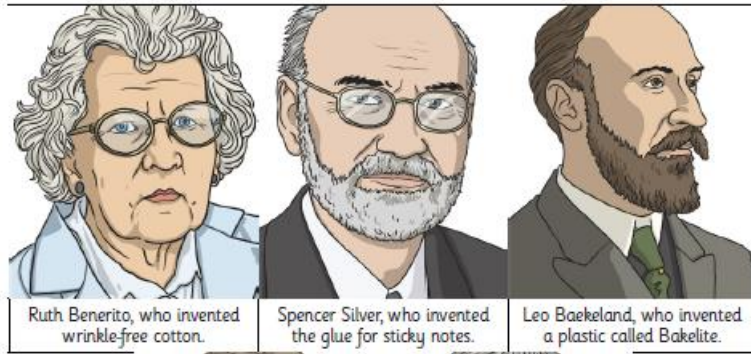| conscience	conscious	controversy
convenience	correspond	criticise

Our final lesson is science- chemical creations.

Scientists use chemical reactions to create useful new materials. Some important scientists and their discoveries are listed below.

You should research one of the scientists and their life. Find out such information as when and where they lived, and what they did. You should also find out about the new material, its properties and how it's useful. Where do we use it in everyday life today?

Your biography can be written on a piece of paper, a factfile or created using a computer. Include pictures and diagrams to add interest!

Examples of the scientists and the new materials they made include:

Ruth Benerito, who invented wrinkle-free cotton.

Spencer Silver, who invented the glue for sticky notes.

Leo Baekeland, who invented a plastic called Bakelite.

Harry Brearly, who invented stainless steel.

John McAdam, who invented tarmac.

Maths answers

1. $23.5 \times 100 =$ 2,350.0

2. $1.15 \times 100 =$ 115.00

3. $4.97 \times 10 =$ 49.70

4. $69.8 \times 100 =$ 6,980.0

5. $0.12 \times 1,000 =$ 120.00

6. $0.28 \times 100 =$ 28.00

7. $24.4 \times 10 =$ 244.0

8. $5.08 \times 100 =$ 508.00

9. $31.5 \times 10 =$ 315.0

10. $92.5 \times 1,000 =$ 92,500.0

11. $7.81 \times 100 =$ 781.00

12. $8.78 \times 10 =$ 87.80

13. $1.32 \times 1,000 =$ 1,320.00

14. $62.0 \times 10 =$ 620.0

15. $6.77 \times 1,000 =$ 6,770.00

16. $97.6 \times 100 =$ 9,760.0

17. $2.11 \times 100 =$ 211.00

18. $6.39 \times 1,000 =$ 6,390.00

1. $85.2 \times 10 =$ 852.0   2. $59.2 \times 10 =$ 592.0

3. $74.8 \times 10 =$ 748.0   4. $0.13 \times 10 =$ 1.30

5. $6.00 \times 10 =$ 60.00   6. $9.05 \times 100 =$ 905.00

7. $4.7 \times 1{,}000 =$ 4,700.0   8. $0.81 \times 100 =$ 81.00

9. $6.92 \times 100 =$ 692.00   10. $36.2 \times 10 =$ 362.0

11. $2.58 \times 1{,}000 =$ 2,580.00   12. $73.6 \times 10 =$ 736.0

13. $8.09 \times 100 =$ 809.00   14. $8.79 \times 10 =$ 87.90

15. $3.57 \times 1{,}000 =$ 3,570.00   16. $21.6 \times 100 =$ 2,160.0

17. $58.0 \times 100 =$ 5,800.0   18. $2.06 \times 100 =$ 206.00

1. $0.24 \times 100 =$ 24.00   2. $3.26 \times 100 =$ 326.00

3. $54.3 \times 10 =$ 543.0   4. $5.14 \times 100 =$ 514.00

5. $6.45 \times 100 =$ 645.00   6. $82.9 \times 100 =$ 8,290.0

7. $79.0 \times 10 =$ 790.0   8. $0.20 \times 1{,}000 =$ 200.00

9. $15.0 \times 100 =$ 1,500.0   10. $1.16 \times 10 =$ 11.60

11. $5.1 \times 100 =$ 510.0   12. $54.8 \times 100 =$ 5,480.0

13. $4.6 \times 10 =$ 46.0   14. $90.5 \times 100 =$ 9,050.0

15. $50.1 \times 1{,}000 =$ 50,100.0   16. $6.09 \times 10 =$ 60.90

17. $67.5 \times 100 =$ 6,750.0   18. $9.20 \times 100 =$ 920.00

Have a great day everyone – don't forget to
email any examples of your work to me at
yearfive@blowers.sch.uk

Keep smiling!! ☺

Mr Brown and Mrs Francis.