



BROOKE &
MARSHLAND
FEDERATION

Year 6 Home Learning

Theme: WHO LET THE GODS OUT?

Summer Term 2 - Week 6

English lesson 1

This week we are going to write a letter to our new form tutors. In our current situation.

We have not had the opportunity for the new teachers to get to know us, so I thought it would be a great opportunity to tell them all about you.

What would you like to say in your letter?

If you were a teacher and you were getting a new class, what would you want to know.

Jot down your ideas and your notes - discuss with your adult!!

English lesson 2

To day you are going to describe yourself in words.

First I would like you to sketch yourself on a piece of paper, this may not seem like English but hold on...

Now you are going to add descriptive vocabulary around your picture to describe yourself. It may be an adjective or an expanded noun phrase. Get your family to describe you too.

English lesson 3

Time to draft your letter,

As this is a draft, you can cross out, move things around and edit and improve your work.

Remember you are writing it in the first person and you want to show off a bit and give them as much information as you can about who you are as a person. As teachers, we love to get to know you, so as we can't meet you all at the moment, get writing!!!

English lesson 4

Time to write your best copy, you can now show off your best writing and your year 6 writing skills.

Dear form tutor,
My name is ...



English lesson 5

- ▶ Using your year 5/6 words can you make a crossword. You can draw it yourself and create a clue.
- ▶ e.g the word is yacht
- ▶ Clue - a vessel that sails on the sea.

Maths lesson 1

LT: To solve problems involving negative numbers.

Click the link below to help you with negative numbers.

<https://www.bbc.co.uk/bitesize/topics/znwj6sg/articles/zxthnbk>

1. The highest temperature recorded on Earth is 56°C . The coldest temperature recorded on Earth is -89°C . What is the difference between these temperatures?

Answer:



2. George has $\pounds 1346$ in his bank account. He buys a holiday, which costs $\pounds 1750$. How much will he be overdrawn?

Answer:



3. The temperature in the freezer is -28°C . A loaf of bread is taken out of the freezer and allowed to thaw overnight in the kitchen, where the temperature is 18°C . By how much will the temperature of the bread rise?

Answer:



4. Ellie is $\pounds 25$ overdrawn. She needs to spend $\pounds 134$ repairing her car. How much will she be overdrawn now?

Answer:



5. The temperature outside at 3pm is -12°C . Overnight the temperature drops to -31°C . By how much does the temperature fall?

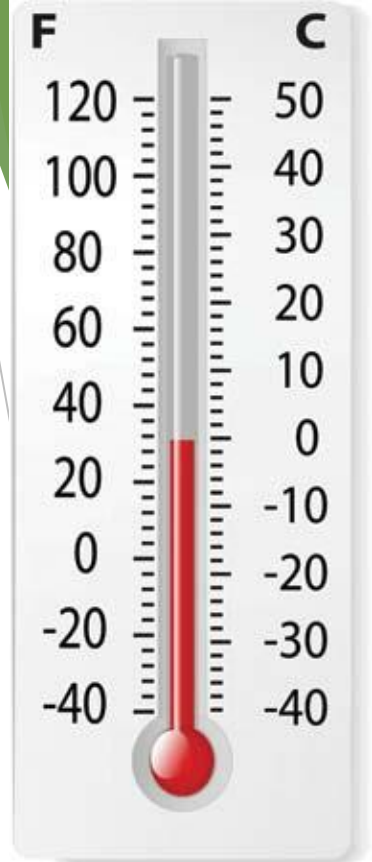
Answer:



6. Mr and Mrs Jones have $\pounds 456.75$ in their bank account. They have to pay the following bills. What will their account balance be after paying the bills?

Electricity	$\pounds 234.97$
Gas	$\pounds 132.17$
Council Tax	$\pounds 108.34$

Answer:



Maths lesson 2

I'll help you out. I'm going to start with D.

$$D = 6$$

$$B = 9 \text{ because } 6 + 3 = 9$$

You will not be able to go in order.

LT: To solve problems involving algebra.

Watch the video clips to remind you of algebra.

<https://www.bbc.co.uk/bitesize/topics/zghp34j/articles/z2qmrwx>

<https://www.bbc.co.uk/bitesize/topics/zghp34j/articles/z2p6tyc>

$A = K \div 4$		$A =$
$B = D + 3$		$B =$
$C = 2K$		$C =$
$D = 6$		$D =$
$E = 10J + 1$		$E =$
$F = A + D$		$F =$
$G = 2U - D$		$G =$
$H = 2Z$		$H =$
$I = H \div 4$		$I =$
$J = D \div 2$		$J =$
$K = 20$		$K =$
$L = V + D$		$L =$
$M = 2R$		$M =$

$N = K - 19$		$N =$
$O = R + I$		$O =$
$P = A^2$		$P =$
$Q = 2U + D$		$Q =$
$R = B + D$		$R =$
$S = 2V - J$		$S =$
$T = P - D$		$T =$
$U = M + 3$		$U =$
$V = 2F$		$V =$
$W = T - 6$		$W =$
$X = R + J$		$X =$
$Y = 2J + U$		$Y =$
$Z = K + 5$		$Z =$

Maths lesson 3

LT: To solve problems mentally.

Watch the videos to give you some helpful tips.

<https://www.bbc.co.uk/teach/super movers/ks2-maths-mental-addition-&-subtraction/zj9pwty>

<https://www.bbc.co.uk/teach/class-clips-video/maths-ks1--ks2-how-to-use-mental-methods-to-divide/zvg6nrd>

<https://www.bbc.co.uk/teach/class-clips-video/maths-ks1--ks2-how-to-use-mental-methods-to-multiply/zhsjmfr>

Maths Mastery - Mental Calculations

1. Perform these mental calculations, explaining your method:

$$\begin{aligned}2500 \times 15 &= \\16 \times 502 &= \\27\,200 + 34\,024 &= \\5906 - 2801 &= \\56\,000 \div 700 &= \\289\,000 + 3561 &= \end{aligned}$$

twinkl.co.uk

Maths Mastery - Mental Calculations

2. Perform these mental calculations, explaining your method:

$$\begin{aligned}30 \times 5 + 267 &= \\(138 + 99) \times 3 &= \\4500 \div 9 - 143 &= \\780 \times 3 - 1340 &= \\(1340 + 1160) \div 50 &= \\1400 \div (37 + 33) &= \end{aligned}$$

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Maths Mastery - Mental Calculations

$267 \times 76 = 20\,292$
3. Use this fact to calculate:

$$\begin{aligned}26.7 \times 7.6 &= \\2.67 \times 760 &= \\267 \times 0.76 &= \\26.7 \times 76\,000 &= \\20\,292 \div 7.6 &= \\202.92 \div 26.7 &= \\10\,146 \div 76 &= \end{aligned}$$

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Times Tables Test 6

Oral Questions

1. _____

2. _____

3. _____

4. _____

Calculate

5. $25^2 \times 0 =$ _____

11. $0.14 \div 7 =$ _____

6. $5723 \times 4 =$ _____

12. $36 \div 0.06 =$ _____

7. $6164 \times 9 =$ _____

13. $7272 \div 8 =$ _____

8. $314 \times 90 =$ _____

14. $66\ 066 \div 11 =$ _____

9. $0.00258 \times 100 =$ _____

15. $71765 \div 5 =$ _____

10. $1567 \times 0.01 =$ _____

16. $124590 \div 10\ 000 =$ _____

Complete these calculations

17. _____ $\div 7 = 900$

18. $4 \times$ _____ $= 324$

19. Shelves can fit 39 books on them. How many shelves will be needed to fit 663 books? _____

20. In an exercise class, ladies spend 45 seconds sprinting on the spot. They do this 24 times altogether. How many seconds do they spend sprinting on the spot in total? _____

Maths lesson 4

Times table challenge

Record your time.
Can you
beat it next time?

Ask a member
of your household to read question 1 - 4.

Q1) $30 \times 10^3 =$

Q2) $36 \div 9 =$

Q3) $88,888 \div 8 =$

Q4) $6^2 \div 100 =$

Maths lesson 5

Arithmetic

10 $800 \times 4 =$

1 mark

11 $5785 \div 5 =$

1 mark

12 $5 + 3 \times 6 =$

1 mark

13 $71 \times 63 =$

$$\begin{array}{r} 71 \\ \times 63 \\ \hline \end{array}$$

2 marks

14 $3451 \div 17 =$

$$17 \overline{) 3451}$$

2 marks

15 $2\frac{3}{4} + \frac{4}{5} =$

1 mark

16 $\frac{4}{5} \div 3 =$

1 mark

17 $6.03 \times 1000 =$

1 mark

18 25% of 358 =

1 mark

Topic lesson 1 - Music

LT: To identify my feelings through music.

What is your favourite song at the moment? Find that song and listen to it.

Why is it your favourite song?

How does it make you feel?

Why does it make you feel that way?



Topic lesson 2 - Music

LT: To create music by using objects.

Explore sounds around the home that could be recorded.

Anything that moves or can safely be struck, scraped or twanged can be investigated.

Check with an adult first.

Can you recreate your favourite song by using the objects you have found?

It can be recorded using a hand-held recorder, mobile phone or digital camera.



Answers - maths

Lesson 1

Question	Answer
1	$56 - (-89) = 145$. The answer is 145oC
2	$£1750 - £1346 = £404$
3	$18 - (-28) = 46$. The temperature is 46oC.
4	$-£25 - £134 = -£159$. £159 overdrawn.
5	$-31 - (-12) = -19$. The temperature falls by 19oC.
6	Total bills: $£234.97 + £132.17 + £108.34 = £475.48$ Balance: $£456.75 - £475.48 = -£18.73$. The balance is £18.73 overdrawn.

Lesson 3

- $2500 \times 15 = 37\ 500$
 $16 \times 502 = 8032$
 $27\ 200 + 34\ 024 = 61\ 224$
 $5906 - 2801 = 3105$
 $56\ 000 \div 700 = 80$
 $289\ 000 + 3561 = 292\ 561$
- $30 \times 5 + 267 = 417$
 $(138 + 99) \times 3 = 711$
 $4500 \div 9 - 143 = 357$
 $780 \times 3 - 1340 = 1000$
 $(1340 + 1160) \div 50 = 50$
 $1400 \div (37 + 33) = 20$
- $26.7 \times 7.6 = 202.92$
 $2.67 \times 760 = 2029.2$
 $267 \times 0.76 = 202.92$
 $26.7 \times 76\ 000 = 2\ 029\ 200$
 $20\ 292 \div 7.6 = 2670$
 $202.92 \div 26.7 = 7.6$
 $10\ 146 \div 76 = 133.5$

Lesson 2

$A = K \div 4$		$A = 5$
$B = D + 3$		$B = 9$
$C = 2K$		$C = 40$
$D = 6$		$D = 6$
$E = 10J + 1$		$E = 31$
$F = A + D$		$F = 11$
$G = 2U - D$		$G = 14$
$H = 2Z$		$H = 8$
$I = H + 4$		$I = 2$
$J = D \div 2$		$J = 3$
$K = 20$		$K = 20$
$L = V + D$		$L = 28$
$M = 2R$		$M = 30$
$N = K - 19$		$N = 1$
$O = R + I$		$O = 17$
$P = A^2$		$P = 25$
$Q = 2U + D$		$Q = 26$
$R = B + D$		$R = 15$
$S = 2V - J$		$S = 41$
$T = P - D$		$T = 19$
$U = M \div 3$		$U = 10$
$V = 2F$		$V = 22$
$W = T - 6$		$W = 13$
$X = R + J$		$X = 18$
$Y = 2J + U$		$Y = 16$
$Z = K \div 5$		$Z = 4$

Answers - maths

Lesson 4

Times Tables Test 6 **Answers**

Oral Questions

1. $30 \times 10^3 = \mathbf{30\ 000}$ 2. $36 \div 9 = \mathbf{4}$ 3. $88888 \div 8 = \mathbf{11111}$
4. $6^2 \div 100 = \mathbf{0.36}$

Calculate

5. $25^2 \times 0 = \mathbf{0}$ 11. $0.14 \div 7 = \mathbf{0.02}$
6. $5723 \times 4 = \mathbf{22\ 892}$ 12. $36 \div 0.06 = \mathbf{600}$
7. $6164 \times 9 = \mathbf{55\ 476}$ 13. $7272 \div 8 = \mathbf{909}$
8. $314 \times 90 = \mathbf{28\ 260}$ 14. $66\ 066 \div 11 = \mathbf{6006}$
9. $0.00258 \times 100 = \mathbf{0.258}$ 15. $71765 \div 5 = \mathbf{14\ 353}$
10. $1567 \times 0.01 = \mathbf{15.67}$ 16. $124590 \div 10\ 000 = \mathbf{12.459}$

Complete these calculations

17. $\mathbf{6300} \div 7 = 900$ 18. $4 \times \mathbf{81} = 324$
19. Shelves can fit 39 books on them. How many shelves will be needed to fit 663 books? **17**
20. In an exercise class, ladies spend 45 seconds sprinting on the spot. They do this 24 times altogether. How many seconds do they spend sprinting on the spot in total? **1080 seconds**

Lesson 5

10	3200	1
11	1157	1
12	23	1
13	4473	2
14	203	2
15	$3\frac{11}{20}$	1
16	$\frac{4}{15}$	1
17	6030	1
18	89.5	1

Additional resource links

- ▶ <https://trockstars.com/> (log in details were attached to the initial learning packs sent home)
- ▶ <https://play.numbots.com/>
- ▶ <https://www.bbc.co.uk/bitesize/dailylessons>

- ▶ Purple Mash activities

- 1) Y6 SUM2 WK6 D1 - Quiz
- 2) Y6 SUM2 WK6 D2 - Quiz
- 3) Y6 SUM2 WK6 D3 - Quiz

