Home Learning Maths - Unit 3 - Week 12 – Roman Numerals – THURSDAY

SIMMERING BRONZE

Section 1
There are 16 cars in a car park.

$\frac{1}{4}$ of them are white. How many are not white?

Section 2
Put these numbers in order, smallest to largest:
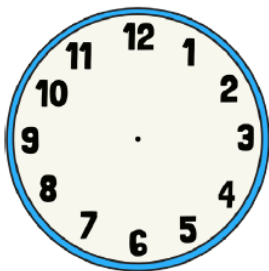
82   28   18   48   89

Section 3
This table shows the number of girls and boys who have pets, in Class 2A. Show the numbers as a tally.

Pet	Girls	Tally	Boys	Tally
Dog	13		10	
Cat	5		7	
Rabbit	2		1	

Section 4
Draw the hands on the clock to show this time:

Quarter past 7

Section 5
What 2D shape is at the ends of a cylinder?

....

Section 6
I have a pound coin.

I buy a lolly for 25p.

How much change will I be given?

Which coins could I be given in change?

Section 7
Fill in the missing numbers:

4 x 2 = 10 - ☐   15 ÷ 3 = 15 - ☐

Section 8
What 2 shapes will come next in the pattern?
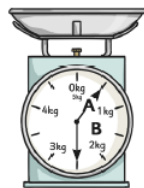
SIMMERING SILVER

Section 1
What's the missing number?

90 + ☐ = 130   70 + ☐ = 150

80 + ☐ = 140   50 + ☐ = 120

Section 2

```
    2   7   4
+   1   2   7
_____

    3   5   5
+   1   3   8
_____
```

Linda drives 176km in the morning and 145km later that day. How far has she travelled altogether?

Section 3
I think of a number.

I halve it.

I add 8.

The answer is 12.

What is my number?

Section 4
What measurements are the arrows pointing at?

A = ☐

B = ☐

Section 5
How many minutes are there left in the hour if the time is :

2:20 =

6:50 =

1:10 =

11:35 =

Section 6
Mentally work these out:

Tickets cost £6 for a coach trip. How much will four tickets cost?

How many 3cm strips can be cut from 24cm of tape?

Section 7
Magic Squares: the sum of each row, column and diagonal is the same. Work out the magical missing numbers!

8		12
	9	5
		10

Section 8
Five lengths of the swimming pool is 150m. How long is the pool?

Section 1

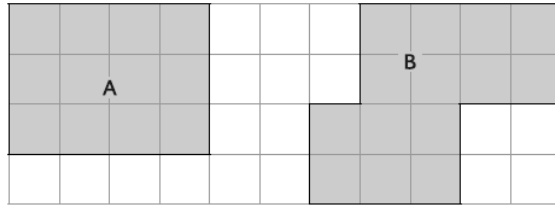Write the 24-hour digital time to match the time (pm) shown on the clock.

Section 2

Calculate the following using the partitioning method:

84 x 6 =

Section 3

Fill in the missing fractions to complete this sequence.

$\frac{82}{100}$			$\frac{85}{100}$			$\frac{88}{100}$

Section 4

On a computer game called Big Foot's Quest, you need 2750 points to reach Level 3. You need another 1550 points to reach Level 4. How many points do you need altogether to reach Level 4?

Section 5

Find the perimeter of A and B. (Each square is 1cm x 1cm)

A =

B =

Section 6
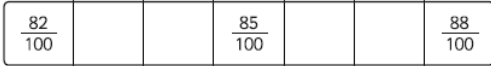
Use the following signs to make these equations true: ≤ ≥

6.74 ☐ 6.73

2.55 ☐ 2.49

Section 7

Ben's mum gave him £28 for his birthday.

His Dad gave him a three quarters of this amount extra.

How much money was Ben given altogether?

Section 8

A shop sells three types of sunglasses. What is the difference in price between the most expensive and least expensive sunglasses?

£4.69   £2.99   £5.85
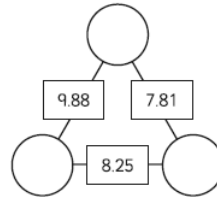
Section 1

The temperature is 4°C at 9pm. By 6am the following morning, the temperature has fallen by 9°C. What is the temperature now?

Section 2

The new Wembley Stadium has 90 000 seats. When the stadium is 75% full, what is the attendance to the nearest 1000.

Section 3

Complete these calculations:

```
   4 ☐ 2          7 ☐ 5
 + ☐ 6 9        - ☐ 3 7
   8 5 ☐          ☐ 5 8
```

Section 4

Order the following fractions from smallest to largest:

$\frac{3}{4}$ $\frac{11}{12}$ $\frac{7}{8}$ $\frac{13}{16}$

Section 5

Place three of the following numbers in the circles so the number in the square is the total of the numbers in the adjacent circles: 6.23, 4.72, 3.09, 7.26, 5.16, 2.69

9.88   7.81

8.25

Section 6

1 inch = 2.54 cm

1 foot = 12 inches

How many centimetres in 1 foot?

Section 7

Write the name of these shapes:

....

....

Section 8

Children measure the temperature in the playground on each hour.

Time	Temperature
9am	-1
10am	2
11am	5
12pm	7
1pm	8

When is the highest temperature?

How much does the temperature rise between 9am and 12pm?

Section 1

There are 16 cars in a car park. $\frac{1}{4}$ of them are white. How many are not white?

12

Section 2

Put these numbers in order, smallest to largest:
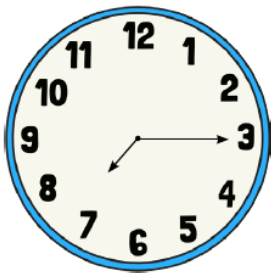
82   28   18   48   89

18	28	48	82	89

Section 3

This table shows the number of girls and boys who have pets, in Class 2A. Show the numbers as a tally.

Pet	Girls	Tally	Boys	Tally
Dog	13	ЖЖ ЖЖ |||	10	ЖЖ ЖЖ
Cat	5	ЖЖ	7	ЖЖ ||
Rabbit	2	||	1	||

Section 4

Draw the hands on the clock to show this time:

Quarter past 7

Section 5

What 2D shape is at the ends of a cylinder?

.... **circle** ....

Section 6

I have a pound coin.

I buy a lolly for 25p.

How much change will I be given?

Which coins could I be given in change?

75p change.
E.g. 50p, 20p, 5p

Section 7

Fill in the missing numbers:

4 x 2 = 10 - **2**   15 ÷ 3 = 15 - **10**

Section 8

What 2 shapes will come next in the pattern?

Section 1

What's the missing number?

90 + **40** = 130   70 + **80** = 150

80 + **60** = 140   50 + **70** = 120

Section 2
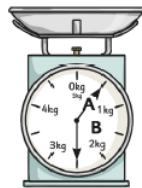
```
    2   7   4
+   1   2   7
    4   0   1

    3   5   5
+   1   3   8
    4   9   3
```

Linda drives 176km in the morning and 145km later that day. How far has she travelled altogether?

321km

Section 3

I think of a number.

I halve it.

I add 8.

The answer is 12.

What is my number?

8

Section 4

What measurements are the arrows pointing at?

A = **0.5kg**

B = **2.5kg**

Section 5

How many minutes are there left in the hour if the time is :

2:20 = **40 minutes**

6:50 = **10 minutes**

1:10 = **50 minutes**

11:35 = **25 minutes**

Section 6

Mentally work these out:

Tickets cost £6 for a coach trip. How much will four tickets cost?

£24

How many 3cm strips can be cut from 24cm of tape?

8

Section 7

Magic Squares: the sum of each row, column and diagonal is the same. Work out the magical missing numbers!

8	**7**	12
13	9	5
6	**11**	10

Section 8

Five lengths of the swimming pool is 150m. How long is the pool?

30m

Section 1
Write the 24-hour digital time to match the time (pm) shown on the clock.

21.23

Section 2
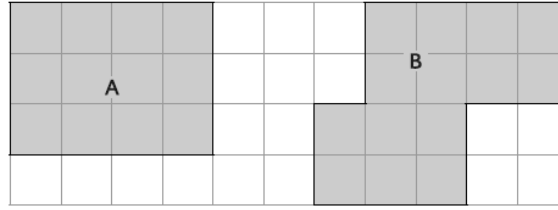Calculate the following using the partitioning method:

84 x 6 = **504**

Section 3
Fill in the missing fractions to complete this sequence.

| $\frac{82}{100}$ | $\frac{83}{100}$ | $\frac{84}{100}$ | $\frac{85}{100}$ | $\frac{86}{100}$ | $\frac{87}{100}$ | $\frac{88}{100}$ |

Section 4
On a computer game called Big Foot's Quest, you need 2750 points to reach Level 3. You need another 1550 points to reach Level 4. How many points do you need altogether to reach Level 4?

4300

Section 5
Find the perimeter of A and B. (Each square is 1cm x 1cm)

A = 14cm

B = 18cm

Section 6
Use the following signs to make these equations true: < or >

6.74 **>** 6.73

2.55 **>** 2.49

Section 7
Ben's mum gave him £28 for his birthday.

His Dad gave him a three quarters of this amount extra.

How much money was Ben given altogether?

£49

Section 8
A shop sells three types of sunglasses. What is the difference in price between the most expensive and least expensive sunglasses?

£4.69   £2.99   £5.85

£2.86

Section 1
The temperature is 4°C at 9pm. By 6am the following morning, the temperature has fallen by 9°C. What is the temperature now?
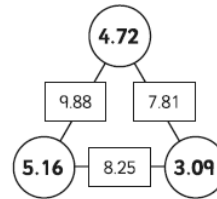
-5°C

Section 2
The new Wembley Stadium has 90 000 seats. When the stadium is 75% full, what is the attendance to the nearest 1000.

68 000

Section 3
Complete these calculations:

	4	**8**	2
+	**3**	6	9
	8	5	1

	7	**3**	5
-	3	7	**7**
	3	5	8

Section 4
Order the following fractions from smallest to largest:

$\frac{3}{4}$ $\frac{11}{12}$ $\frac{7}{8}$ $\frac{13}{16}$

| $\frac{3}{4}$ | $\frac{13}{16}$ | $\frac{7}{8}$ | $\frac{11}{12}$ |

Section 5
Place three of the following numbers in the circles so the number in the square is the total of the numbers in the adjacent circles: 6.23, 4.72, 3.09, 7.26, 5.16, 2.69

4.72

9.88   7.81

5.16   8.25   3.09

Section 6
1 inch = 2.54 cm

1 foot = 12 inches

How many centimetres in 1 foot?

30.48cm

Section 7
Write the name of these shapes:

tetrahedron/triangular based pyramid

hexagonal prism

Section 8
Children measure the temperature in the playground on each hour.

Time	Temperature
9am	-1
10am	2
11am	5
12pm	7
1pm	8

When is the highest temperature? **1pm**

How much does the temperature rise between 9am and 12pm? **8°C**

Roman Numerals Problems

1. Titus put V olives and II loaves of bread in his sack. How many items did he have in his sack?

2. Claudia's house had I window on the south wall and IV windows on the east wall. How many windows did the house have altogether?

3. Marcus had VI coins and Antonia had III coins. How many coins did they have altogether?

4. Lucius had VI grapes. Arria gave him III more. How many grapes does Lucius have now?

5. There were VII donkeys working in the fields and there was I donkey in the courtyard. How many donkeys were there altogether?

6. Julius had II slaves. He bought IV more. How many slaves does he have now?

7. Allectus bought VI onions. Marcus gave him II onions. How many onions did he have altogether?

8. Mark Antony picked III pears from the tree and collected VI pears from the ground. How many pears did he have altogether?

9. Pontius ate VII grapes. He saved III more for later. How many grapes did he have altogether?

10. Sempronius made II speeches in the morning and II speeches in the afternoon. How many speeches did he make that day?

Roman Numerals Problems

1. Titus picked XVII grapes. He gave XV to Decimus. How many grapes did he have left?

2. Claudia's house had V windows on the north wall wall and VI windows on the west wall. How many windows did the house have altogether?

3. Marcus had XII coins and Antonia had VIII coins. How many coins did they have altogether?

4. Lucius had XI grapes. He gave Arria V. How many grapes does Lucius have now?

5. There were IV donkeys working in the fields and there were X donkeys in the courtyard. How many donkeys were there altogether?

6. Julius had XVI slaves. He bought III more. How many slaves does he have now?

7. Allectus bought XVIII onions. He gave Marcus XI onions. How many onions did he have left?

8. Mark Antony picked XIII pears from the tree and collected IV pears from the ground. How many pears did he have altogether?

9. Pontius had XX grapes. He ate XIV and gave the rest to Lucius. How many did Lucius receive?

10. Sempronius laid XII bricks in the morning and VII bricks in the afternoon. How many bricks did he lay that day?

Roman Numerals Problems

1. Titus picked LXIV grapes. He shared them between IV people. How many grapes did they each receive?

2. Claudia stoned LVII green olives and XXXIV black olives. What was the difference between the number of black olives and the number of green olives??

3. Marcus had XIV coins. Mark Antony had V times more. How many coins did Mark Antony have?

4. Lucius had XCIV grapes. He gave Arria LXXVII. How many grapes does Lucius have now?

5. There were XCVI donkeys working in the fields. There were IV times less donkeys in the courtyard. How many donkeys were in the courtyard?

6. Julius had VII times more slaves than Marcus. Marcus had III slaves. How many slaves did Julius have?

7. Allectus bought XCIII onions. He shared them between III government officials. How many onions did each government official have?

8. Mark Antony picked XC pears from the tree and collected X pears from the ground. How many pears did he have altogether?

9. Pontius had XCIX grapes. He ate XXVI and gave the rest to Lucius. How many did Lucius receive?

10. Sempronius laid LXXXVIII bricks and Pontius laid LIV. How many more bricks did Sempronius lay?

Roman Numerals Problems

1. Titus picked DCCLXXXIII grapes. He shared them between IX people. How many grapes did they each receive?

2. Claudia stoned CMXCIX green olives and DCXXXVII black olives. What was the difference between the number of black olives and the number of green olives?

3. Marcus had CXXVII coins. Mark Antony had VII times more. How many coins did Mark Antony have?

4. Lucius had M grapes. He gave Arria CCCLXXVIII. How many grapes does Lucius have now?

5. There were CLXXXVIII donkeys working in the fields. There were half as many donkeys in the courtyard. How many donkeys were in the courtyard?

6. Julius had VII times more slaves than Marcus. Marcus had XLII slaves. How many slaves did Julius have?

7. Allectus bought CMLXXXIV onions. He shared them between III government officials. How many onions did each government official have?

8. Mark Antony picked DCXXVIII pears from the tree and collected CXVII pears from the ground. How many pears did he have altogether?

9. Pontius had DCCL grapes. He ate LXI and gave the rest to Lucius. How many did Lucius receive?

10. Sempronius laid CDXC bricks and Pontius laid CCCXI. How many more bricks did Sempronius lay?

Roman Numerals Problems

1. Titus put V olives and II loaves of bread in his sack. How many items did he have in his sack? VII

2. Claudia's house had I window on the south wall and IV windows on the east wall. How many windows did the house have altogether? V

3. Marcus had VI coins and Antonia had III coins. How many coins did they have altogether? IX

4. Lucius had VI grapes. Arria gave him III more. How many grapes does Lucius have now? IX

5. There were VII donkeys working in the fields and there was I donkey in the courtyard. How many donkeys were there altogether? VIII

6. Julius had II slaves. He bought IV more. How many slaves does he have now? VI

7. Allectus bought VI onions. Marcus gave him II onions. How many onions did he have altogether? VIII

8. Mark Antony picked III pears from the tree and collected VI pears from the ground. How many pears did he have altogether? IX

9. Pontius ate VII grapes. He saved III more for later. How many grapes did he have altogether? X

10. Sempronius made II speeches in the morning and II speeches in the afternoon. How many speeches did he make that day? IV

Roman Numerals Problems

1. Titus picked XVII grapes. He gave XV to Decimus. How many grapes did he have left? II

2. Claudia's house had V windows on the north wall wall and VI windows on the west wall. How many windows did the house have altogether? XI

3. Marcus had XII coins and Antonia had VIII coins. How many coins did they have altogether? XX

4. Lucius had XI grapes. He gave Arria V. How many grapes does Lucius have now? XVI

5. There were IV donkeys working in the fields and there were X donkeys in the courtyard. How many donkeys were there altogether? XIV

6. Julius had XVI slaves. He bought III more. How many slaves does he have now? XIX

7. Allectus bought XVIII onions. He gave Marcus XI onions. How many onions did he have left? VII

8. Mark Antony picked XIII pears from the tree and collected IV pears from the ground. How many pears did he have altogether? XVII

9. Pontius had XX grapes. He ate XIV and gave the rest to Lucius. How many did Lucius receive? VI

10. Sempronius laid XII bricks in the morning and VII bricks in the afternoon. How many bricks did he lay that day? XIX

Roman Numerals Problems

1. Titus picked LXIV grapes. He shared them between IV people. How many grapes did they each receive? XVI

2. Claudia stoned LVII green olives and XXXIV black olives. What was the difference between the number of black olives and the number of green olives?? XXIII

3. Marcus had XIV coins. Mark Antony had V times more. How many coins did Mark Antony have? LXX

4. Lucius had XCIV grapes. He gave Arria LXXVII. How many grapes does Lucius have now? XVII

5. There were XCVI donkeys working in the fields. There were IV times less donkeys in the courtyard. How many donkeys were in the courtyard? XXIV

6. Julius had VII times more slaves than Marcus. Marcus had III slaves. How many slaves did Julius have? XXI

7. Allectus bought XCIII onions. He shared them between III government officials. How many onions did each government official have? XXXI

8. Mark Antony picked XC pears from the tree and collected X pears from the ground. How many pears did he have altogether? C

9. Pontius had XCIX grapes. He ate XXVI and gave the rest to Lucius. How many did Lucius receive? LXXIII

10. Sempronius laid LXXXVIII bricks and Pontius laid LIV. How many more bricks did Sempronius lay? XXXIV

Roman Numerals Problems

1. Titus picked CXXVI grapes. He shared them between VI people. How many grapes did they each receive? XXI

2. Claudia stoned CLXXXVII green olives and CXXIV black olives. What was the difference between the number of black olives and the number of green olives? LXIII

3. Marcus had XXVII coins. Mark Antony had VI times more. How many coins did Mark Antony have? CLXII

4. Lucius had CXCIII grapes. He gave Arria CXXII. How many grapes does Lucius have now? LXXI

5. There were CXXVI donkeys working in the fields. There were IX times less donkeys in the courtyard. How many donkeys were in the courtyard? XIV

6. Julius had IX times more slaves than Marcus. Marcus had XII slaves. How many slaves did Julius have? CVIII

7. Allectus bought CXCII onions. He shared them between III government officials. How many onions did each government official have? LXIV

8. Mark Antony picked CLVII pears from the tree and collected XXXVIII pears from the ground. How many pears did he have altogether? CXCV

9. Pontius had CLXXIV grapes. He ate LI and gave the rest to Lucius. How many did Lucius receive? CXXIII

10. Sempronius laid CC bricks and Pontius laid LXIII. How many more bricks did Sempronius lay? CXXXVII