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

SIMMERING BRONZE

Section 1

Fill in the missing boxes.

2 x 6 = ☐

6 x 2 = ☐

☐ ÷ 2 = 6

Write the last division number sentence in the pattern:

☐ ÷ ☐ = ☐

Section 2

I think of a number.

I double it.

I subtract 4.

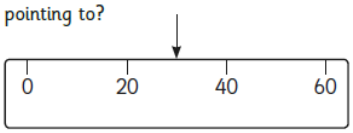
My answer is 8

Want was the number I was thinking of?

☐

Section 3

What number would the arrow be pointing to?



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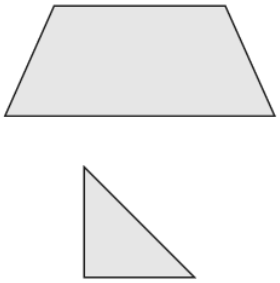
Section 4

Kalim is saving up to buy a toy Velociraptor. He needs £24. He has £12. How much more does he need to save?

☐

Section 5

Draw a line of symmetry on each shape.



Section 6

Put a circle around all the words that mean +

minus
subtract
total
multiply
sum of
less than
altogether
add
plus
divide
equal

Section 7

A gardener plants 5 rows of daffodil bulbs, and plants 6 in each row. How many daffodils will they have?

☐

Section 8

Name 3 things you might see which are the shape of a cuboid.

SIMMERING SILVER

Section 1

Order these fractions from smallest to largest:

$\frac{4}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{1}{4}$

Order these numbers from largest to smallest:

230 **521** **495** **420**

Section 2

Draw a pair of parallel lines:

What is $\frac{1}{2}$ of 220?

☐

Section 3

How many right angles does a square have?

☐

Write two more facts about squares:

Section 4

Cassie has 24 flowers and 4 vases.

If she shares them equally, how many flowers will be in each vase?

☐

Section 5

How many minutes are there in 1 and a half hours?

☐

Section 6

6 eggs fill one box.

If I have 24 eggs, how many boxes will I need?

☐

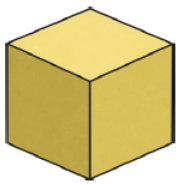
Section 7

An entrance ticket for a theme park costs £20 and I can go on as many rides as I like.

Or each ride costs £3. If I want to go on 4 rides, is it cheaper to pay for each ride or buy the entrance ticket?

Section 8

How many faces does this 3D shape have?



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SIMMERING GOLD

Section 1

Write this number:

Four thousand, three hundred and six

In the number 23 648, what place value does the 3 represent?

Section 2

Calculate the following in your head:

55 + 60 =

45+ 36 =

52 – 22 =

21 – 12 =

Section 3

Calculate:

2.3 x 100 =

5.1 x 100 =

231 ÷ 100 =

622 ÷ 100 =

Section 4

Round to the nearest whole number:

2.3 →

4.6 →

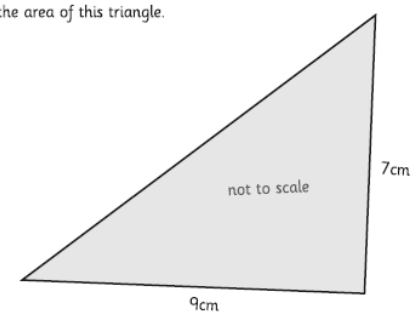
5.9 →

Section 5

Tickets to the skating rink cost £17 for children and £23 for adults. What is the total cost for 2 adults and 3 children?

Section 6

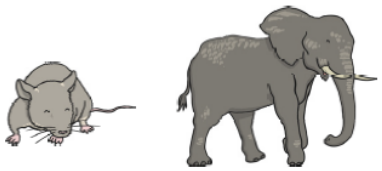
Find the area of this triangle.



Section 7

Order these from smallest to largest:

8.8 8.3 8.9 8.5 8.1



Section 8

Convert these weights to grams or kilograms:

4500g =

5.2kg =

SIMMERING PLATINUM

Section 1

Complete these linear sequences:

4562	5562			
41 786	40 786			
77 309	87 309			
622 792	612 792			

Section 2

Put the numbers from 1 to 20 on this Carroll Diagram:

	Prime Number	Not a Prime Number
Even number		
Odd number		

Section 3

Calculate:

40 x 6 =

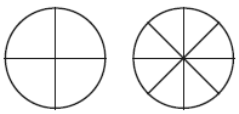
7 x 50 =

80 x 30 =

1200 x 11 =

Section 4

Shade the following circles so the same fraction is shaded in both and write the fraction that they represent:



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Section 5

Round the following numbers to the nearest whole number and nearest tenth:

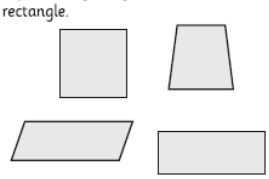
Number	Nearest whole	Nearest tenth
16.45		
1.06		
2.98		
67.59		

Section 6

A bus journey starts at 16:13 and finishes at 18:05. How long is the journey?

Section 7

For each of the following shapes, explain why they are or are not a rectangle.



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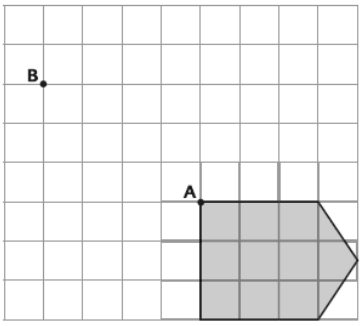
Section 8

Translate this shape from point A to point B:



ANSWERS SIMMERING BRONZE

Section 1

Fill in the missing boxes.

2 x 6 = 12

6 x 2 = 12

12 ÷ 2 = 6

Write the last division number sentence in the pattern:

12 ÷ 6 = 2

Section 2

I think of a number.

I double it.

I subtract 4.

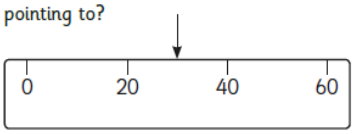
My answer is 8

Want was the number I was thinking of?

6

Section 3

What number would the arrow be pointing to?



30

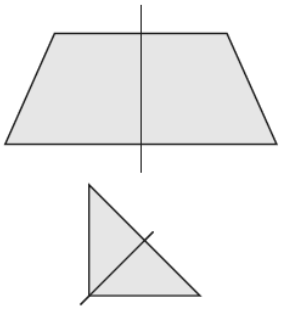
Section 4

Kalim is saving up to buy a toy Velociraptor. He needs £24. He has £12. How much more does he need to save?

£12

Section 5

Draw a line of symmetry on each shape.



Section 6

Put a circle around all the words that mean +

minus

subtract

total

multiply

sum of

less than

altogether

add

plus

divide

equal

Section 7

A gardener plants 5 rows of daffodil bulbs, and plants 6 in each row. How many daffodils will they have?

30

Section 8

Name 3 things you might see which are the shape of a cuboid.

Accept any 3 appropriate answers

ANSWERS SIMMERING SILVER

Section 1

Order these fractions from smallest to largest:

$\frac{4}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{1}{4}$

$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{4}{4}$

Order these numbers from largest to smallest:

230 521 495 420

521	495	420	230

Section 2

Draw a pair of parallel lines:

What is $\frac{1}{2}$ of 220?

110

Section 3

How many right angles does a square have?

4

Write two more facts about squares:

Accept any reasonable answer.

Section 4

Cassie has 24 flowers and 4 vases.

If she shares them equally, how many flowers will be in each vase?

6

Section 5

How many minutes are there in 1 and a half hours?

90 minutes

Section 6

6 eggs fill one box.

If I have 24 eggs, how many boxes will I need?

4

Section 7

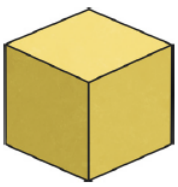
An entrance ticket for a theme park costs £20 and I can go on as many rides as I like.

Or each ride costs £3. If I want to go on 4 rides, is it cheaper to pay for each ride or buy the entrance ticket?

Pay for rides.

Section 8

How many faces does this 3D shape have?



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ANSWERS SIMMERING GOLD

Section 1

Write this number:

Four thousand, three hundred and six

4306

In the number 23 648, what place value does the 3 represent?

3000

Section 2

Calculate the following in your head:

55 + 60 = **115**

45+ 36 = **81**

52 – 22 = **30**

21 – 12 = **9**

Section 3

Calculate:

2.3 x 100 = **230**

5.1 x 100 = **510**

231 ÷ 100 = **2.31**

622 ÷ 100 = **6.22**

Section 4

Round to the nearest whole number:

2.3 → **2**

4.6 → **5**

5.9 → **6**

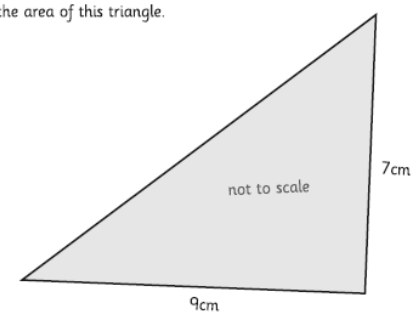
Section 5

Tickets to the skating rink cost £17 for children and £23 for adults. What is the total cost for 2 adults and 3 children?

£97

Section 6

Find the area of this triangle.



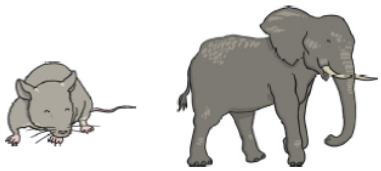
31.5cm²

Section 7

Order these from smallest to largest:

8.8 8.3 8.9 8.5 8.1

8.1	**8.3**	**8.5**	**8.8**	**8.9**



Section 8

Convert these weights to grams or kilograms:

4500g = **4.5kg**

5.2kg = **5200g**

SIMMERING PLATINUM

Section 1

Complete these linear sequences:

4562	5562	**6562**	**7562**	**8562**
41 786	40 786	**39 786**	**38 786**	**37 786**
77 309	87 309	**97 309**	**107 309**	**117 309**
622 792	612 792	**602 792**	**592 792**	**582 792**

Section 2

Put the numbers from 1 to 20 on this Carroll Diagram:

	Prime Number	Not a Prime Number
Even number	2	4, 6, 8, 10, 12, 14, 16, 18, 20
Odd number	3, 5, 7, 11, 13, 17, 19	1, 9, 15

Section 3

Calculate:

40 x 6 = **240**

7 x 50 = **350**

80 x 30 = **2400**

1200 x 11 = **13 200**

Section 4

Shade the following circles so the same fraction is shaded in both and write the fraction that they represent:

Open ended answers: Same fraction shaded in each shape and correct fraction written alongside.

Section 5

Round the following numbers to the nearest whole number and nearest tenth:

Number	Nearest whole	Nearest tenth
16.45	16	16.5
1.06	1	1.1
2.98	3	3
67.59	68	67.6

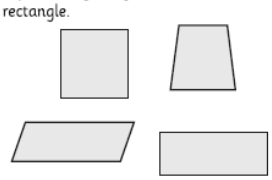
Section 6

A bus journey starts at 16:13 and finishes at 18:05. How long is the journey?

1 hour 52 minutes

Section 7

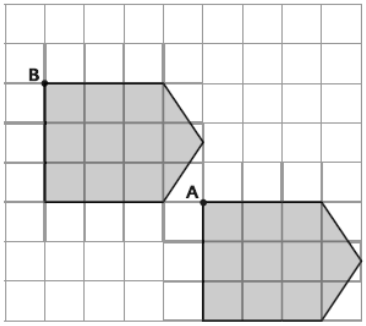
For each of the following shapes, explain why they are or are not a rectangle.

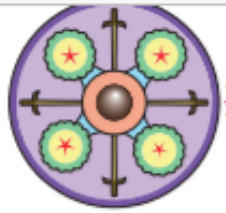


The square and oblong are rectangles because they have opposite sides of equal length and the internal angles are right angles.

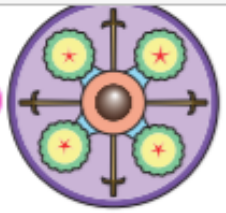
Section 8

Translate this shape from point A to point B:





ROMAN NUMERALS CHART - 1 TO 100



1	2	3	4	5	6	7	8	9	10
I	II	III	IV	V	VI	VII	VIII	IX	X
11	12	13	14	15	16	17	18	19	20
XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
21	22	23	24	25	26	27	28	29	30
XXI	XXII	XXIII	XXIV	XXV	XXVI	XXVII	XXVIII	XXIX	XXX
31	32	33	34	35	36	37	38	39	40
XXXI	XXXII	XXXIII	XXXIV	XXXV	XXXVI	XXXVII	XXXVIII	XXXIX	XL
41	42	43	44	45	46	47	48	49	50
XLI	XLII	XLIII	XLIV	XLV	XLVI	XLVII	XLVIII	XLIX	L
51	52	53	54	55	56	57	58	59	60
LI	LII	LIII	LIV	LV	LVI	LVII	LVIII	LIX	LX
61	62	63	64	65	66	67	68	69	70
LXI	LXII	LXIII	LXIV	LXV	LXVI	LXVII	LXVIII	LXIX	LXX
71	72	73	74	75	76	77	78	79	80
LXXI	LXXII	LXXIII	LXXIV	LXXV	LXXVI	LXXVII	LXXVIII	LXXIX	LXXX
81	82	83	84	85	86	87	88	89	90
LXXXI	LXXXII	LXXXIII	LXXXIV	LXXXV	LXXXVI	LXXXVII	LXXXVIII	LXXXIX	XC
91	92	93	94	95	96	97	98	99	100
XCI	XCII	XCIII	XCIV	XCV	XCVI	XCVII	XCVIII	XCIX	C

BRONZE WRITE THE MEANINGS (NUMBER) UNDERNEATH THE ROMAN NUMERALS AND ADD THEM UP, THEN WORK OUT THE ROMAN NUMERAL

Roman Numerals Calculations

Complete the calculations and write the answer as a Roman Numeral.

VI + III	=	_____	V + IV	=	_____
6 + 3 = 9 IX					
IV + I	=	_____	VIII + II	=	_____
I + III	=	_____	VII + I	=	_____
III + VII	=	_____	IV + II	=	_____
II + V	=	_____	III + VI	=	_____
I + I	=	_____	IV + IV	=	_____
III + III	=	_____	V + V	=	_____
IX + I	=	_____	II + I	=	_____
II + II	=	_____	III + V	=	_____
V + I	=	_____	IV + III	=	_____
VII + II	=	_____	I + VIII	=	_____
III + II	=	_____	VI + I	=	_____

SILVER WRITE THE MEANINGS (NUMBER) UNDERNEATH THE ROMAN NUMERALS AND ADD THEM UP, THEN WORK OUT THE ROMAN NUMERAL

Roman Numerals Calculations

Complete the calculations and write the answer as a Roman Numeral.

XX – VII	=	_____	III + IX	=	_____
XV – VII	=	_____	XV + IV	=	_____
XII – IV	=	_____	XII + VI	=	_____
XVII – VIII	=	_____	XIII + V	=	_____
XVI – V	=	_____	VII + VIII	=	_____
XVIII – XIV	=	_____	VI + XIV	=	_____
XIX – VII	=	_____	IV + IX	=	_____
XVIII – IX	=	_____	XI + VII	=	_____
XVI – IX	=	_____	III + XIII	=	_____
XIX – IV	=	_____	IV+ VIII	=	_____
XX – XIII	=	_____	VII + XII	=	_____
XIV – VIII	=	_____	VIII + IX	=	_____

20 – 7 = 13 = XIII

GOLD WRITE THE MEANINGS (NUMBER) UNDERNEATH THE ROMAN NUMERALS AND ADD THEM UP, THEN WORK OUT THE ROMAN NUMERAL

Roman Numerals Calculations

Complete the calculations and write the answer as a Roman Numeral.

XLVI – XXVIII	=	_____	LVII + XXXIV	=	_____
LXXXVI – LIX	=	_____	XXIV + LVI	=	_____
LVII – XXIV	=	_____	XLIII + XVIII	=	_____
LXIV – XLVI	=	_____	XLII + XLV	=	_____
LXXXI – LII	=	_____	XXV + LXXIII	=	_____
LXXVII – XXXIX	=	_____	LXIX + XVIII	=	_____
V x IX	=	_____	XLIX ÷ VII	=	_____
VII x VI	=	_____	XL ÷ V	=	_____
XII x IV	=	_____	C ÷ II	=	_____
VIII x VIII	=	_____	LXXII ÷ VI	=	_____
III x VII	=	_____	LVI ÷ VIII	=	_____
IX x VII	=	_____	XX ÷ V	=	_____

PLATINUM WRITE THE MEANINGS (NUMBER) UNDERNEATH THE ROMAN NUMERALS AND ADD THEM UP, THEN WORK OUT THE ROMAN NUMERAL

Roman Numerals Calculations

Complete the calculations and write the answer as a Roman Numeral.

XCIV + LXVIII	=	_____	CC – CXXII	=	_____
LXXIV + CXII	=	_____	CLXIV – CLVII	=	_____
LXXXVII + LVII	=	_____	CLXXXIX – XLII	=	_____
LXV + XCIX	=	_____	CLXXXVIII – XC	=	_____
LXXXIX + XCVIII	=	_____	CLXXVIII – XCIV	=	_____
II x (LII + XXXIV)	=	_____	(CXLIX – LXXXV) ÷ II	=	_____
XXXIX x IV	=	_____	CLXIX ÷ XIII	=	_____
XII x XII	=	_____	CCC ÷ XV	=	_____
XXV x VII	=	_____	CXXVI ÷ VII	=	_____
IX x XVI	=	_____	CLXV ÷ III	=	_____
XIX x VI	=	_____	CLXX ÷ V	=	_____
LVII + (VIII x XIII)	=	_____	XLVIII – (XLII ÷ VI)	=	_____

ANSWERS BRONZE

Roman Numerals Calculations

Complete the calculations and write the answer as a Roman Numeral.

VI + III	=	IX	V + IV	=	IX
IV + I	=	V	VIII + II	=	X
I + III	=	IV	VII + I	=	VIII
III + VII	=	X	IV + II	=	VI
II + V	=	VII	III + VI	=	IX
I + I	=	II	IV + IV	=	VIII
III + III	=	VI	V + V	=	X
IX + I	=	X	II + I	=	III
II + II	=	IV	III + V	=	VIII
V + I	=	VI	IV + III	=	VII
VII + II	=	IX	I + VIII	=	IX
III + II	=	V	VI + I	=	VII

ANSWERS SILVER

Roman Numerals Calculations

Complete the calculations and write the answer as a Roman Numeral.

XX – VII	=	XIII	III + IX	=	XII
XV – VII	=	VIII	XV + IV	=	XIX
XII – IV	=	VIII	XII + VI	=	XIII
XVII – VIII	=	IX	XIII + V	=	XVIII
XVI – V	=	XI	VII + VIII	=	XV
XVIII – XIV	=	IV	VI + XIV	=	XX
XIX – VII	=	XII	IV + IX	=	XIII
XVIII – IX	=	IX	XI + VII	=	XVIII
XVI – IX	=	VII	III + XIII	=	XVI
XIX – IV	=	XV	IV+ VIII	=	XII
XX – XIII	=	VII	VII + XII	=	XIX
XIV – VIII	=	VI	VIII + IX	=	XVII

ANSWERS GOLD

Roman Numerals Calculations

Complete the calculations and write the answer as a Roman Numeral.

XLVI – XXVIII	=	XVIII	LVII + XXXIV	=	XCI
LXXXVI – LIX	=	XXVII	XXIV + LVI	=	LXXX
LVII – XXIV	=	XXXIII	XLIII + XVIII	=	LXI
LXIV – XLVI	=	XVIII	XLII + XLV	=	LXXXVII
LXXXI – LII	=	XXIX	XXV + LXXIII	=	XCVIII
LXXVII – XXXIX	=	XXXVIII	LXIX + XVIII	=	LXXXVII
V x IX	=	XLV	XLIX ÷ VII	=	VII
VII x VI	=	XLII	XL ÷ V	=	VIII
XII x IV	=	XLVIII	C ÷ II	=	L
VIII x VIII	=	LXIV	LXXII ÷ VI	=	XII
III x VII	=	XXI	LVI ÷ VIII	=	VII
IX x VII	=	LXIII	XX ÷ V	=	IV

PLATINUM

Roman Numerals Calculations

Complete the calculations and write the answer as a Roman Numeral.

XCIV + LXVIII	=	CLXII	CC – CXXII	=	LXXVIII
LXXIV + CXII	=	CLXXXVI	CLXIV – CLVII	=	VII
LXXXVII + LVII	=	CXLIV	CLXXXIX – XLII	=	CXLII
LXV + XCIX	=	CLXIV	CLXXXVIII – XC	=	LXVIII
LXXXIX + XCVIII	=	CLXXXVII	CLXXVIII – XCIV	=	LXXXIV
II x (LII + XXXIV)	=	CLXXII	(CXLIX – LXXXV) ÷ II	=	XXXII
XXXIX x IV	=	CLVI	CLXIX ÷ XIII	=	XIII
XII x XII	=	CXLIV	CCC ÷ XV	=	XX
XXV x VII	=	CLXXV	CXXVI ÷ VII	=	XVIII
IX x XVI	=	CXLIV	CLXV ÷ III	=	LV
XIX x VI	=	CXIV	CLXX ÷ V	=	XXXIV
LVII + (VIII x XIII)	=	CLXI	XLVIII – (XLII ÷ VI)	=	XLI