

Year 5 Autumn 2 Maths Activity Mat 5

Section 1

Write these Roman Numerals as numbers.

XXXXI

□

LXV

1561

Section 2

Draw a square to represent the number 25.

[illegible]

Section 3

Complete these calculations:

[illegible]

Section 4

Calculate:

$$\frac{1}{5} + \frac{3}{5} =$$

$$\frac{3}{7} - \frac{3}{8}$$

Section 5

Write the following as decimals or fractions:

$$0.4 =$$

$$0.25 =$$

$$= 0.9$$

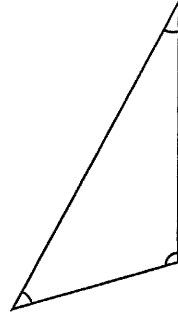
Section 6

One pint of milk is 568ml.
How many litres is 2 pints?

1001

Section 7

Using the words acute and obtuse, label the internal angles of this triangle:



Section 8

Trafalgar Square	0045
Piccadilly Circus	0049
Oxford Circus	0054
Gloucester Place	0059
Belsize Park	0105
West Hampstead	0110

How long is the journey from start to finish?

1000

The bus leaves Oxford Circus at 1am. How late is it running?

1001

Year 5 Autumn 2 Maths Activity Mat 6

Section 1

I am a 2-digit number.

I am odd.

I have six less tens than ones.

The sum of my digits is 8.

What am I?

Section 2

Write the factor pairs of 12.

Write the common factors of 5 and 20.

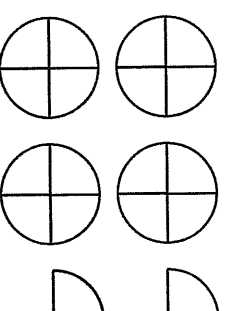
Section 3

T-shirts are put into packs of 4. How many packs will be made from 132 T-shirts?

Section 4

Use this visual representation to calculate:

$$2\frac{1}{4} \times 2 =$$



Section 5

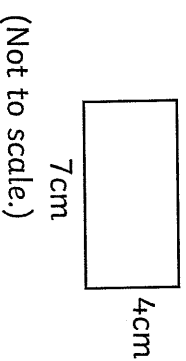
Write the following fractions as percentages:

$$\frac{1}{2} =$$

$$\frac{1}{4} =$$

Section 6

What is the area of this rectangle?



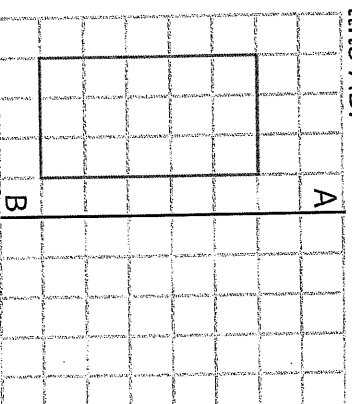
Section 7

Measure this angle:



Section 8

Reflect this shape about the line AB.



Year 5 Autumn 2 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

7667 6767 7676 6776

--	--	--	--

smallest

largest

Section 2

Jules has 46 marbles and Jens has 76 marbles. Omar also has some marbles. Altogether, the three of them have 151 marbles. How many marbles does Omar have?

 marbles

Section 3

Explain how 20 marbles can be shared into different equal groups.

___ groups of ___ marbles.

___ groups of ___ marbles.

___ groups of ___ marbles.

___ groups of ___ marbles.

___ groups of ___ marbles.

___ groups of ___ marbles.

Section 5

Write the decimal equivalent to the fraction.

$$\frac{1}{2}$$

$$\frac{1}{4}$$

$$\frac{1}{5}$$

Section 4

Convert the improper fractions into mixed fractions.

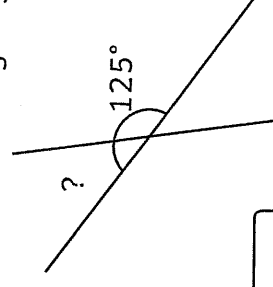
$$\frac{5}{2}$$

$$\frac{5}{3}$$

$$\frac{9}{4}$$

Section 7

Calculate the missing angle:



(Not to scale.)

Section 8

Estimate the weight of 1 apple.



Year 5 Autumn 2 Maths Activity Mat 3

Section 1

Count backwards in 10s.

76				
----	--	--	--	--

219				
-----	--	--	--	--

Count backwards in 100s.

701				
-----	--	--	--	--

1180				
------	--	--	--	--

Section 2

Write 3 prime numbers between 0 and 10.

Section 3

Calculate:

$$5 \times 8 =$$

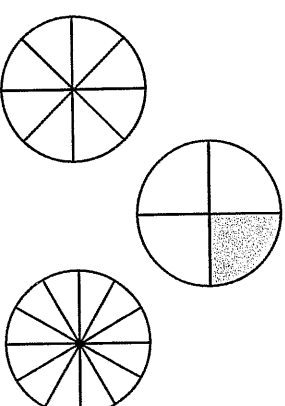
$$9 \times 7 =$$

$$4 \times 6 =$$

$$11 \times 10 =$$

Section 4

Shade the other two circles so that the same fraction is shaded in all of them.



Section 5

Round the following numbers to the nearest whole number:

8.8

7.5

12.7

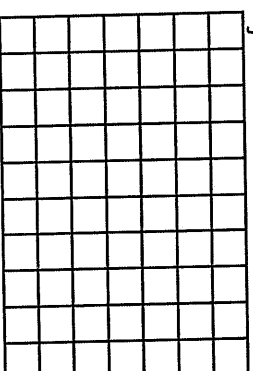
34.2

Section 6

Osman runs for 35 minutes, finishing at 4.20pm. What time did he start?

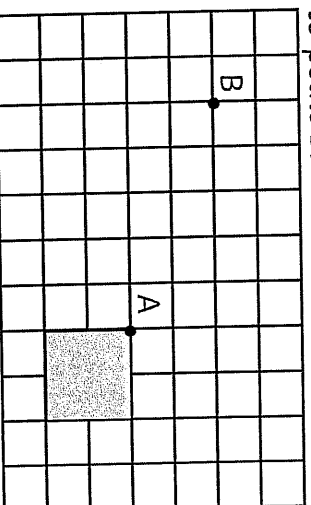
Section 7

On this grid draw a rectangle where the longer side is one and a half times the length of the shorter side.



Section 8

Translate this shape from point A to point B.



Year 5 Autumn 2 Maths Activity Mat 2

Section 1

Write 3 numbers with a 2 in the hundred thousands place, a 7 in the thousands place and a 9 in the ones place.

Section 2

Calculate the following in your head:

$26 + 12 =$

$36 + 35 =$

$49 - 23 =$

$72 - 43 =$

Section 3

Calculate:

$87 \times 10 =$

$202 \times 10 =$

$910 \div 10 =$

$5060 \div 10 =$

Section 4

Use the < or > signs to compare these fractions:

$\frac{1}{3}$

$\frac{2}{3}$

$\frac{3}{4}$

$\frac{1}{2}$

$\frac{2}{10}$

$\frac{1}{5}$

Section 5

Write the following numbers in numerals:

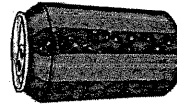
four point six

nineteen point one

three and a half

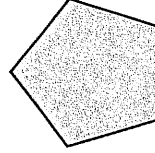
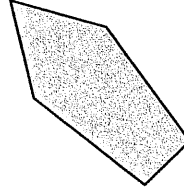
Section 6

How many litres in a 330ml can of lemonade?



Section 7

Write regular and irregular by each shape.



Section 8

Here is a table showing the favourite crisps of children in a year group.

Flavour	Number
Ready Salted	14
Cheese & Onion	7
Salt & Vinegar	19
Smoky Bacon	10

How many children in the year group?

Year 5 Spring 2 Maths Activity Mat 6

Section 1

I am a two-digit number.
I am odd.
I have four more tens than ones.
The sum of my digits is 10.
What am I?

Section 2

Write the factor pairs of 15.

Write the common factors of four and 20.

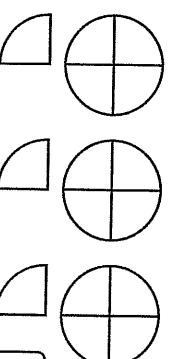
Section 3

Socks are sold in packs of five pairs. How many packs can be made from 145 pairs of socks?

Section 4

Use this visual representation to calculate:

$$1\frac{1}{4} \times 3 =$$



Section 5

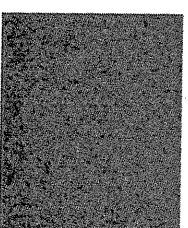
Write the following fractions as percentages:

$\frac{1}{4}$ →

$\frac{1}{2}$ →

Section 6

What is the area of this rectangle?

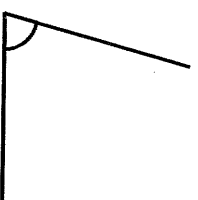


5cm

6cm

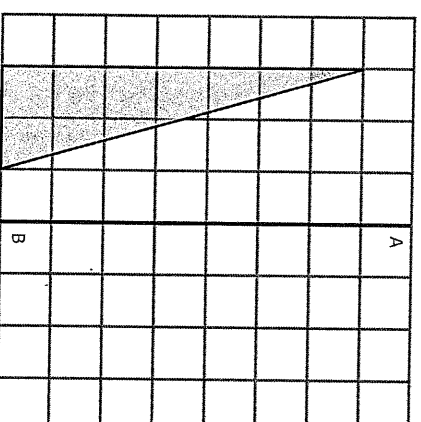
Section 7

Measure this angle.



Section 8

Reflect this shape about the line AB.



Year 5 Spring 2 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

2929	2299	2292	2992
------	------	------	------

--	--	--	--

Section 2

Three classes of children collect some money for Comic Relief. The total collected was £205. Two of the classes collected £76 and £68. How much did the third class collect?

Section 3

A teacher wants to arrange 32 children into equal groups. Explain how the teacher may do this.

___ groups of ___ children
 ___ groups of ___ children
 ___ groups of ___ children
 ___ groups of ___ children
 ___ groups of ___ children
 ___ groups of ___ child

Section 4

Convert the improper fractions into mixed fractions.

$\frac{7}{2}$	$\frac{4}{3}$	$\frac{9}{5}$
$\longrightarrow$	$\longrightarrow$	$\longrightarrow$

Section 5

Write the decimal fraction that is equivalent to the fraction.

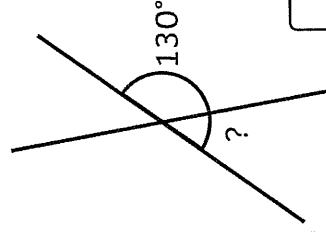
$\frac{1}{2}$		
$\frac{1}{4}$		
$\frac{1}{10}$		

Section 6

Draw a square with a perimeter of 20cm (not to scale). Write the length of the side.

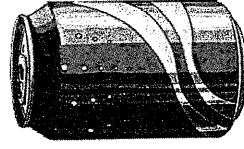
Section 7

Calculate the missing angle:



Section 8

Estimate the weight of a can of coke.



Year 5 Spring 2 Maths Activity Mat 3

Section 1

Count backwards in 10s.

54			
----	--	--	--

127			
-----	--	--	--

Count backwards in 100s.

472			
-----	--	--	--

1209			
------	--	--	--

Section 2

Ring the prime numbers:

0 1 2 3 4 5

6 7 8 9 10

Section 3

Calculate:

$$6 \times 3 = \boxed{}$$

$$9 \times 5 = \boxed{}$$

$$7 \times 8 = \boxed{}$$

$$10 \times 12 = \boxed{}$$

Section 4

Shade the following rectangles so that the same fraction is shaded in both and write the fraction that each represents.

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Section 5

Round the following decimal numbers to the nearest whole number:

4.5	
-----	--

3.2	
-----	--

9.7	
-----	--

2.45	
------	--

Section 6

The Spanish lesson starts at 12:55 and ends at 13:35. How long is the Spanish lesson?

--

Section 7

On this grid, draw a rectangle where the longer side is three times the length of the shorter side.

Section 8

Translate this shape from point A to B.

Year 5 Spring 2 Maths Activity Mat 4

Section 1

Complete this number line.



Section 2

A can of lemonade contains 330ml. How much lemonade does a pack of four cans contain, rounded to the nearest 100ml?

Section 3

Calculate:

$$\begin{array}{r} 284 \\ + \end{array}$$

$$\begin{array}{r} 389 \\ + \end{array}$$

$$\begin{array}{r} 706 \\ - \end{array}$$

$$\begin{array}{r} 354 \\ - \end{array}$$

Section 4

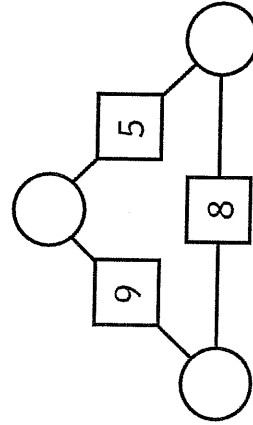
Order the following fractions from smallest to largest.

$$\frac{7}{12} \quad \frac{1}{12} \quad \frac{5}{12} \quad \frac{11}{12}$$

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Section 5

The numbers in the squares are the sum of the numbers in the adjacent circles. Find the numbers in the circles.



Section 6

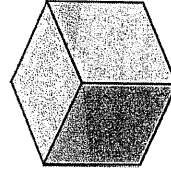
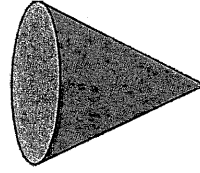
$$1 \text{ yard} = 90\text{cm}$$

Complete the following:

$$10 \text{ yards} = \underline{\hspace{2cm}} \text{m}$$

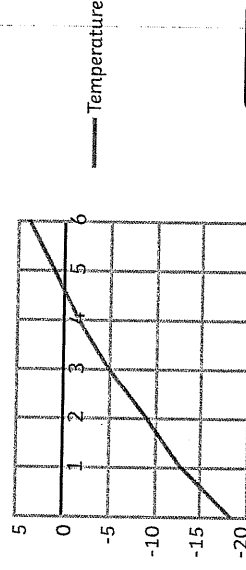
Section 7

Write the name of these shapes.



Section 8

Some children measure the temperature of some ice cream which was taken out of the freezer to melt.



What is difference in the temperature between minute two and six?

Year 5 Spring 2 Maths Activity Mat 5

Section 1

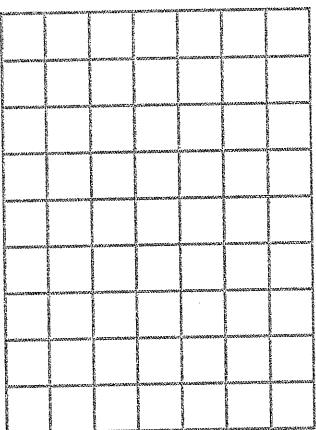
Write these Roman Numerals as numbers.

XXIV →

LXXVIII →

Section 2

Draw a square to represent the number 36.



Section 3

Calculate:

$$\begin{array}{r} 167 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4184 \\ \hline \end{array}$$

Section 4

Calculate:

$$\frac{2}{5} + \frac{2}{5} = \boxed{}$$

$$\frac{5}{6} - \frac{1}{6} = \boxed{}$$

Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28
Darley Dale (arrive)	13:33
Darley Dale (depart)	13:35
Matlock (arrive)	13:50
Matlock (depart)	14:00
Darley Dale (arrive)	14:15
Darley Dale (depart)	14:17
Rowsley	14:22

How long is the journey from start to finish?

The long does the train wait at Matlock?

Section 5

Write the following decimals as fractions:

0.5 →

0.75 →

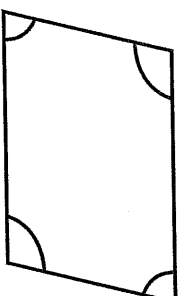
0.1 →

Section 6

One gallon of petrol is approximately 4.5l. How many litres is equivalent to two gallons?

Section 7

Label the internal angles of this parallelogram:



Year 5 Spring 1 Maths Activity Mat 3

Section 1

Count forwards in 10s

34		
----	--	--

183		
-----	--	--

Count forwards in 100s

319		
-----	--	--

862		
-----	--	--

Section 2

Tick the statements that are true:

☐

3 is a prime number

☐

5 is not a prime number

☐

15 is a prime number

Section 3

Calculate:

$2 \times 6 =$

$5 \times 8 =$

$4 \times 4 =$

$9 \times 11 =$

Section 4

Shade the following shapes so the same fraction is shaded in all.

--	--	--

--	--	--	--

--	--	--	--	--

Section 5

Round the following numbers to the nearest whole number:

6.4

9.6

19.5

199.7

Section 6

Jenny walks to school. It takes her 35 minutes. She leaves at 7.55 a.m. What time will she arrive at school?

Section 8

Translate this shape from point A to point B

Section 7

On this grid draw a rectangle where the longer side is three times the length of the shorter side.

Year 5 Spring 1 Maths Activity Mat 4

Section 1

Complete this number line.

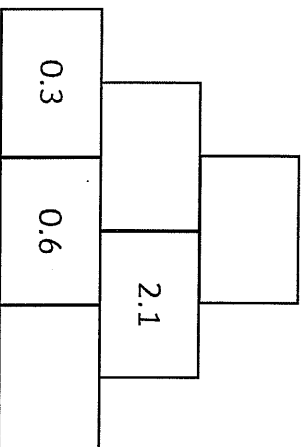


Section 2

A high speed train has six coaches of 74 seats and 2 coaches of 48 seats. How many seats are there on the whole train rounded to the nearest 100?

Section 5

Adjacent squares are added together to give the number above. Complete the number wall.



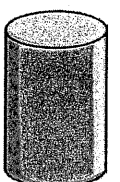
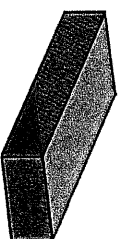
Section 6

1kg $\approx$ 2.2lb (pounds)
Complete the following:

3kg $\approx$ _____ lb
_____ kg $\approx$ 11lb

Section 7

Write the name of these shapes.



Section 3

Calculate:

561 517

+ 456 - 342

Section 4

Order the following fractions from smallest to largest.

$\frac{7}{10}$ $\frac{3}{10}$ $\frac{9}{10}$ $\frac{1}{10}$

--	--	--	--

Section 8

Children count the number of children who have a jacket potato each day.

Week	Number of children who have a jacket potato
Monday	13
Tuesday	24
Wednesday	19
Thursday	20
Friday	5

Which day did the least number of children have a jacket potato?
How many more children had a jacket potato on Tuesday than Wednesday?

Year 5 Spring 1 Maths Activity Mat 5

Section 1

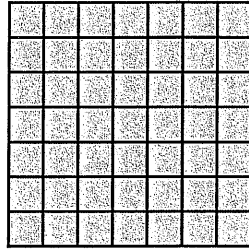
Write these Roman Numerals as numbers:

XXXVI

LXXIX

Section 2

What square number does this represent?



Section 3

Calculate:

209

$\times 5$

3)675

Section 4

Calculate:

$$\frac{3}{5} + \frac{1}{5} =$$

$$\frac{9}{10} - \frac{3}{10} =$$

Section 5

Write the following fractions as decimals:

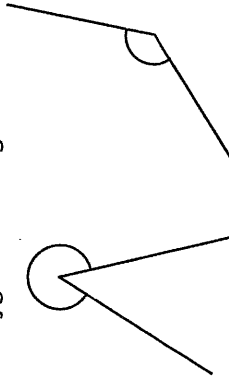
$\frac{9}{10}$

$\frac{4}{10}$

$\frac{1}{10}$

Section 7

Identify these angles:



Section 6

What is the total volume in litres of milk drink sold in a pack of seven 65ml cartons?

Section 8

Use the swimming pool time table to answer these questions.

Lane swimming 1	07:00
Parent and toddler	10:00
Lane swimming 2	11:30
Adult lessons	12:45
Lane swimming 3	14:15
Leisure swim	15:45
Child lessons	17:00
Leisure swim	18:30
Lane swimming 4	20:00
Pool closes	21:30

Which is the longest lane swimming session?

For how long are there swimming lessons?

Year 5 Spring 1 Maths Activity Mat 6

Section 1

I am a two-digit number.

I am even.

I have five more ones than tens.

The sum of my digits is 11.

What number am I?

Section 2

Write the factor pairs of 14.

Write the common factors of 5 and 15.

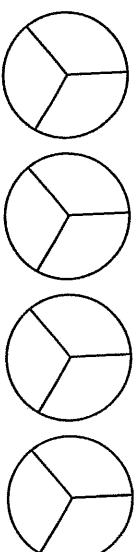
Section 3

64 equal pieces of pizza are cut from 8 pizzas. Into how many pieces is each pizza cut?

Section 4

Use this visual representation to calculate:

$$1\frac{2}{3} \times 2 =$$



Section 5

Ring the correct percentage to match the following fractions:

$$\frac{1}{4}$$

50%

25%

75%

$$\frac{3}{4}$$

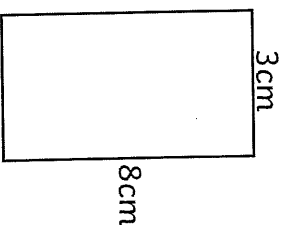
30%

75%

40%

Section 6

What is the area of this rectangle?

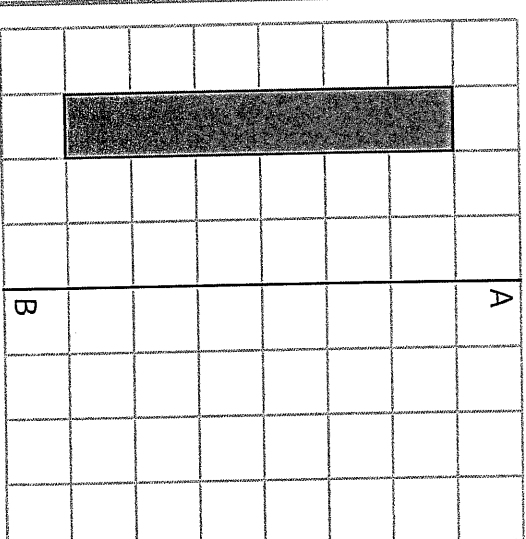


Section 7

Draw an angle of 60°

Section 8

Reflect this shape about the line AB



Year 5 Maths Activity Mat

③

Section 1

Continue the linear sequence.

1099	2099		
92 773	91 773		
56 923	66 923		
718 902	708 902		

Section 3

Calculate:

$5 \times 60 =$	
$30 \times 7 =$	
$40 \times 90 =$	
$80 \times 110 =$	

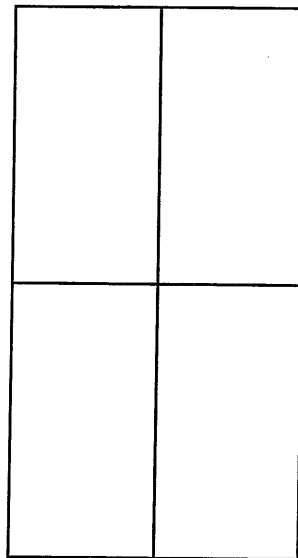
Section 5

Round these numbers to the nearest whole number:

11.5 =	
1.96 =	
9.12 =	
56.29 =	

Section 7

How many rectangles are there in this drawing?

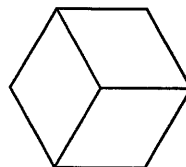


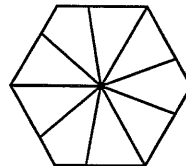
Section 2

Write all the prime numbers from 21 to 50.

Section 4

Shade the following hexagons so the same fraction is shaded in both and write the fraction that they represent.



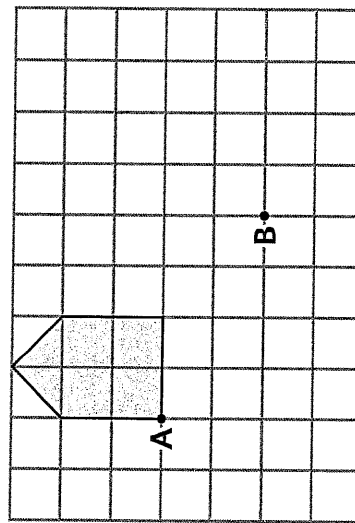


Section 6

Ben gets the 17:12 train. The journey is due to last 1 hour 52 minutes. At what time should the train arrive?

Section 8

Translate this shape from point A to point B.



Year 5 Maths Activity Mat

Section 1

I am a 3-digit odd number.
I have the same number of hundreds as ones.

I have one ten.

The sum of my digits is 15.

What number am I?

Section 2

Write the factor pairs of 24.

Write the common factors of 6 and 18.

Section 5

Match the following:

$\frac{1}{4}$ 20%

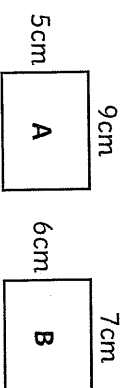
$\frac{3}{4}$ 25%

$\frac{1}{5}$ 75%

$\frac{3}{5}$ 60%

Section 6

Which rectangle has the smaller area?



Section 3

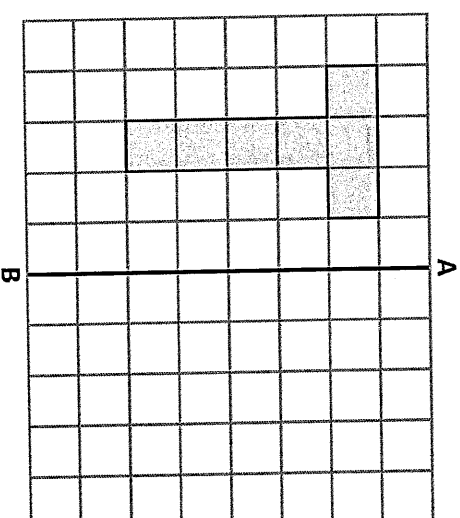
Jack is asked to share 9 boxes of 12 pencils between 3 classes. How many pencils does each class receive?

Section 7

Draw an angle of 135°.

Section 8

Reflect this shape about the line AB.



Section 4

Calculate:

$2\frac{1}{4} \times 5 =$

Year 5 Maths Activity Mat

3

Section 1

Continue these linear sequences:

4071	5071		
------	------	--	--

43 002	42 002		
--------	--------	--	--

71 112	81 112		
--------	--------	--	--

917 823	907 823		
---------	---------	--	--

Section 3

Calculate:

$$3 \times 60 = \boxed{}$$

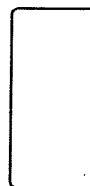
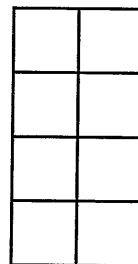
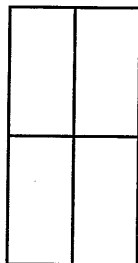
$$50 \times 7 = \boxed{}$$

$$40 \times 80 = \boxed{}$$

$$70 \times 110 = \boxed{}$$

Section 4

Shade the following rectangles so the same fraction is shaded in both and write the fraction they represent.



Section 5

Round the following numbers to the nearest tenth:

$$3.05 = \boxed{}$$

$$6.78 = \boxed{}$$

$$18.83 = \boxed{}$$

$$25.95 = \boxed{}$$

Section 2

Circle the prime numbers:

4 7 16
19 13 15
10 17

Section 6

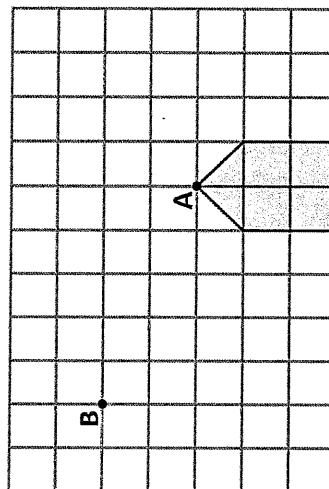
Amelia goes to see a film. The film lasts 108 minutes. It starts at 13:20. What time will it finish?

Section 7

Use a ruler to draw a rectangle where the longer side is twice the length of the shorter side.

Section 8

Translate this shape from point A to point B:



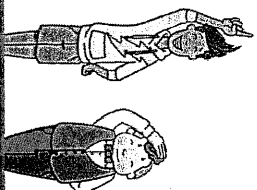
Year 5 Maths Activity Mat

1

Section 1

Order these numbers from smallest to largest:
576 094, 567 094, 576 904, 567 904

--	--	--	--



Section 5

Draw lines to show which fractions, decimals and percentages match.

$\frac{7}{10}$	40%	0.01
$\frac{2}{5}$	1%	0.7
$\frac{1}{100}$	70%	0.4

Section 6

Complete these calculations:

$$6396 \div 3 =$$

$$1333 \times 2 =$$

Section 2

Round these numbers to the nearest 100 000.

367 562	→	
453 378	→	

Section 3

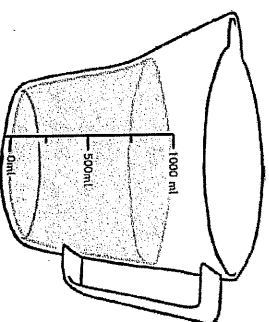
Use these signs < or > to show which number is greater than or less than.

48 701		48 710
81 010		80 999

Section 4

Convert these measurements in litres to millilitres:

12.43l =	
6.8l =	



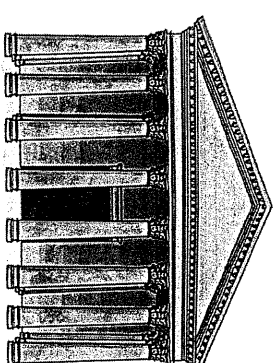
Section 7

A shop assistant sold £845 worth of perfume. This was £258 more than yesterday. How much did she sell yesterday?

Section 8

Write these Roman numerals as digits:

CCLXVI	
CCCLXXIV	



Year 5 Maths Activity Mat

1

Section 1

Order the following numbers from smallest to largest.

56 892 52 698 52 689 56 298 56 289

--	--	--	--	--

smallest

largest

Section 2

Mr and Mrs Ahmed and their 3 children visit the zoo. Adult tickets are priced £8.50 and child tickets are priced £4.75. How much change will Mr Ahmed get from £50?

Section 3

Eric wants some pizzas cut into 20 pieces. He could have two pizzas cut into 10 pieces. Explain 3 other ways he could share some pizzas into 20 pieces.

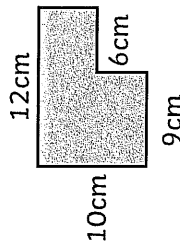
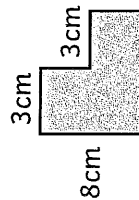
_____ pizzas cut into _____ pieces.

_____ pizzas cut into _____ pieces.

_____ pizzas cut into _____ pieces.

Section 6

Calculate the perimeter of these rectilinear shapes:



Section 5

Write the equivalent to the fractions and decimal fractions.

$$\frac{3}{4} =$$

$$\frac{7}{10} =$$

$$= 0.625$$

Section 4

Match the mixed fractions and improper fractions.

$$\frac{13}{4}$$

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

$$\frac{9}{4}$$

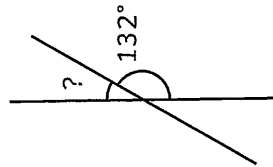
$$2\frac{1}{4}$$

$$\frac{7}{4}$$

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

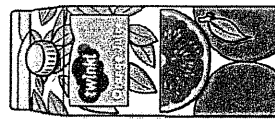
Section 7

Calculate the missing angle:



Section 8

Estimate the capacity of a large carton of orange juice in millilitres.



Year 5 Maths Activity Mat

②

Section 1

In the number 576 213, which digit represents the number of ten thousands?

In the number 923 648, what place value does the digit '3' represent?

Section 2

Calculate the following in your head:

$56 + 67 =$

$48 + 36 =$

$72 - 26 =$

$91 - 67 =$

Section 3

Calculate:

$4.3 \times 100 =$

$5.61 \times 100 =$

$912 \div 100 =$

$6002 \div 100 =$

Section 4

Use the < or > signs to compare these fractions:

$\frac{2}{3}$		$\frac{4}{6}$
$\frac{1}{4}$		$\frac{3}{16}$
$\frac{17}{20}$		$\frac{4}{5}$

Section 5

In order from smallest to largest, write the following numbers in digits:

four point seven two

four point seven

forty point six nine

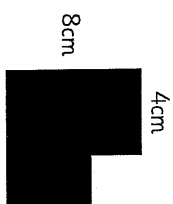
--	--	--

smallest

largest

Section 6

Calculate the perimeter of these composite rectilinear shapes.



Perimeter =



Perimeter =

Section 7

Explain why this shape is regular:



.....

.....

Explain why this shape is irregular:



.....

.....

Section 8

Here is a table showing the number of boys and girls in each year group.

	Y3	Y4	Y5	Y6	Total
Boys			45		179
Girls	47	37		39	
Total		89	89	87	

Complete the table.

Year 5 Maths Activity Mat

2

Section 1

Circle the numbers where 4 is in the thousands place:

94 735 83 492 41 854

54 467 94 578 25 451

74 501 50 892 94 410

Section 3

Calculate the following in your head:

$$3.4 \times 100 =$$

$$1.09 \times 100 =$$

$$450 \div 100 =$$

$$2330 \div 100 =$$

Section 5

Write the following decimals in words:

$$4.56 =$$

$$0.03 =$$

$$9.17 =$$

$$5.55 =$$

Section 7

What is the common name of a regular quadrilateral? Draw one.

Section 2

Calculate the following in your head:

$$43 + 29 =$$

$$17 + 66 =$$

$$85 - 46 =$$

$$91 - 34 =$$

Section 4

Use the $<$, $>$ or $=$ signs to compare these fractions:

$\frac{3}{5}$	$<$	$\frac{8}{10}$
$\frac{1}{4}$	$=$	$\frac{3}{12}$
$\frac{7}{8}$		$\frac{11}{16}$

Section 6

Complete the table to convert between millilitres and litres.

Millilitres	Litres
780ml	
	8l
1070ml	

Section 8

Here is a table showing the favourite colours of children in a school.

Colour	Number
Blue	42
Orange	14
Pink	29
Green	21

What is the difference between the number of children who chose the most favourite colour and the least favourite colour?

Year 5 Maths Activity Mat

4

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:

$$\begin{array}{r} 4 \\ + \\ \hline 8 \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline 5 \end{array}$$

Section 4

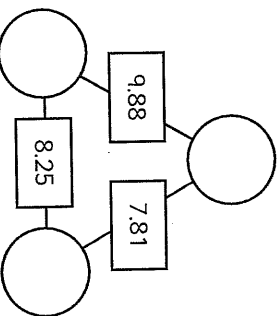
Order the following fractions from smallest to largest:

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

--	--	--	--

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



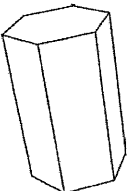
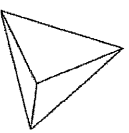
Section 6

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?

Year 5 Maths Activity Mat

4

Section 1

The temperature is 3°C. Two hours earlier, the temperature was 6°C colder. What was the temperature two hours earlier?

Section 5

Adjacent squares are added together to give the number above. Complete the number wall.

	13.76	11.04
		6.83

Section 6

1 gallon $\approx$ 4.5 litres

A car's petrol tank has a capacity of 50 litres. How many gallons is the capacity of the petrol tank to the nearest gallon.

Section 2

A library has 14 bookcases. Each bookcase has 5 shelves. A librarian estimates there are 60 books on each shelf.

How many books are there in the library, rounded to the nearest one thousand?

Section 3

Complete these calculations:

$$\begin{array}{r} 4 \quad 9 \quad \square \quad 6 \quad \square \quad 7 \\ + \quad 3 \quad \square \quad 8 \quad - \quad \square \quad 4 \quad 1 \\ \hline \square \quad 4 \quad 8 \quad \square \quad \square \quad 0 \quad 6 \end{array}$$

Section 4

Order the following fractions from smallest to largest:

$$\frac{1}{4} \quad \frac{3}{8} \quad \frac{3}{16} \quad \frac{1}{8}$$

--	--	--	--	--

smallest largest

Section 7

Write the name of these shapes.



.....



.....

Section 8

Children count the number of children who cycle to school each day.

Week	Number of children who cycled to school
Monday	8
Tuesday	12
Wednesday	3
Thursday	11
Friday	9

What is the highest number of children who could have cycled every day?

Year 5 Maths Activity Mat

③

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:

$40 \times 6 =$

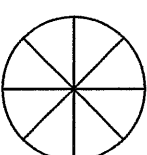
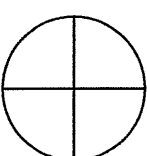
$7 \times 50 =$

$80 \times 30 =$

$1200 \times 11 =$

Section 4

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



.....

Section 5

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

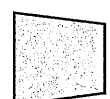
Number	Nearest whole	Nearest tenth
16.45		
1.06		
2.98		
67.59		

Section 6

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

Section 7

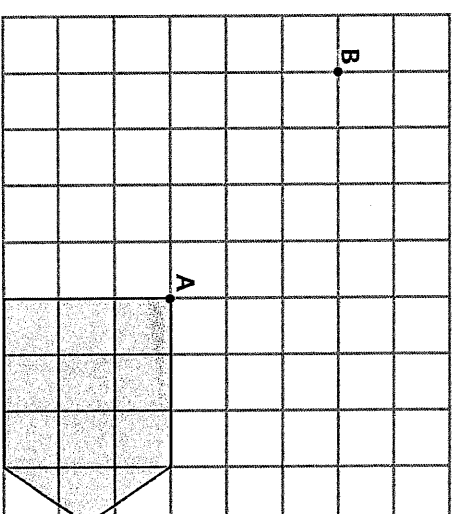
For each of the following shapes, explain why they are or are not a rectangle.



.....
.....
.....

Section 8

Translate this shape from point A to point B:



Year 5 Maths Activity Mat

5

Section 1

Write these Roman Numerals as numbers:

CCIX →

DCLXXVII →

Section 2

Write all the square numbers from 1×1 to 12×12 .

Section 3

Use a formal written method to work out these calculations:

$$216 \times 14$$

$$954 \div 6$$

Section 4

Calculate:

$$\frac{2}{3} + \frac{1}{6} =$$

$$\frac{7}{10} - \frac{3}{5} =$$

Section 6

A plastic box weighs 25g and six cricket balls weigh 300g. How much do three plastic boxes, each with six cricket balls, weigh in kilograms?

Section 5

Draw lines to match the following:

$$\frac{53}{100}$$

13%

$$\frac{13}{100}$$

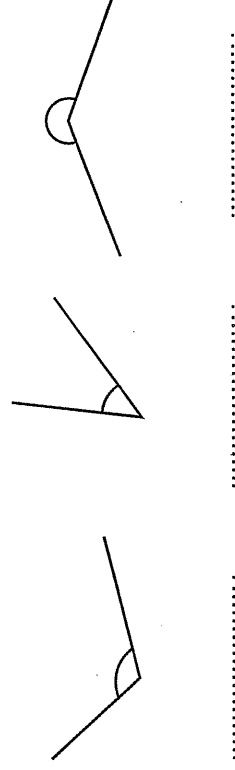
53%

$$\frac{79}{100}$$

79%

Section 7

Write acute, obtuse or reflex underneath each angle:



Section 8

Here is a bus timetable:

Jordanthorpe	07:19	07:31	07:43
Nether Edge	07:48	08:00	08:12
Sheffield	08:06	08:18	08:30
Pitsmoor	08:20	08:32	08:44
Shiregreen	08:40	08:52	09:04

Do all the buses take the same time for each journey from Jordanthorpe to Shiregreen?

Jan needs to arrive in Sheffield by quarter past eight. Which bus should he catch from Nether Edge?

Year 5 Maths Activity Mat

6

Section 1

I am a three-digit number. I am odd. The sum of my digits is 10. The tens digit is even. The ones digit is half the tens digit. I am more than 600.

What am I?

Section 2

Write the factor pairs of 36.

Write the common factors of 10 and 24.

.....

.....

Section 3

Football cards come in packs of four cards. Three children buy 36 packs of cards. They share the cards equally. How many will they have each?

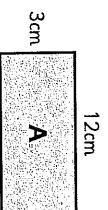
Section 4

Calculate:

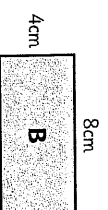
$$4\frac{2}{3} \times 5 =$$

Section 6

Which rectangle has the larger area?



not to scale



Section 5

Match the following:

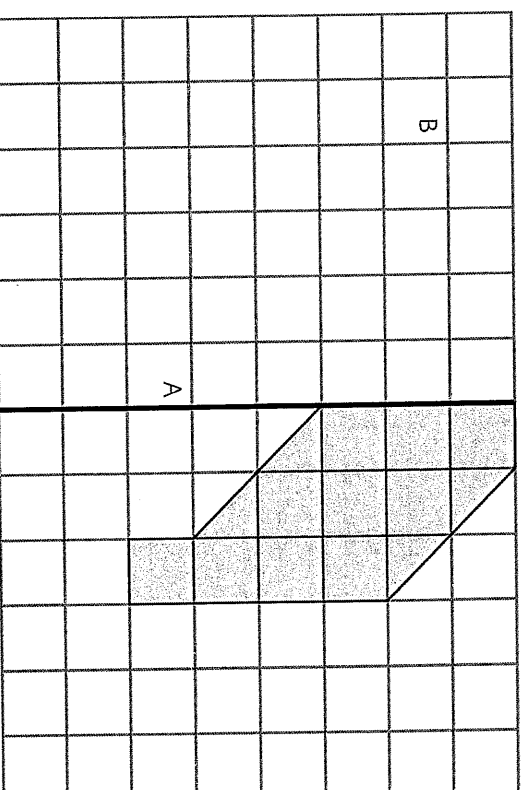
$\frac{1}{5}$	50%
$\frac{1}{4}$	20%
$\frac{4}{5}$	25%
$\frac{1}{2}$	80%
$\frac{2}{5}$	40%

Section 7

Draw an angle of 135°.

Section 8

Reflect this shape about the line AB.



Year 5 Maths Activity Mat

5

Section 1

Write these Roman Numerals as numbers.

CCL →

CMLXV →

Section 4

Calculate:

$$\frac{1}{4} + \frac{3}{8} = \text{ }$$

$$\frac{2}{5} - \frac{1}{10} = \text{ }$$

Section 6

A tin of baked beans weighs 510g. How much do eight tins weigh, in kilograms?

Section 2

Write 3 square numbers in this way:

$$2 \times 2 = 4$$

Section 7

Draw and label an obtuse angle and a reflex angle.

Section 3

Calculate:

$$348 \times 14 = \text{ }$$

$$2316 \div 6 = \text{ }$$

Section 8

Here is a school timetable.

Register	08:50
Assembly	09:00
Lesson 1	09:25
Break	10:25
Lesson 2	10:40
Lunch	12:00
Lesson 3	12:50
Lesson 4	14:00
End of day	15:15

How long is the school day?

How long are all the lessons when added up together?

Year 5 Maths Activity Mat

①

Section 1

Order the following numbers from smallest to largest.

471 741

417 471

471 174

417 741

471 417

--	--	--	--	--

smallest

largest

Section 3

Fatima has 36 cakes to share with some friends. She could share the cakes so 36 children have 1 cake each. Explain four other ways she could share the cakes equally without cutting the cakes.

___ children have ___ cakes each. ___ children have ___ cakes each.

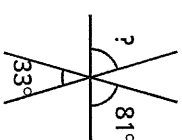
___ children have ___ cakes each. ___ children have ___ cakes each.

Section 2

Three classes of children raise money for Comic Relief by selling cakes. Each class is given £17.80 to buy ingredients. At the end of the sale, each class counts how much money they have. The classes have £34.82, £29.01, £41.78. After subtracting the amount given to buy ingredients, how much money is raised?

Section 7

Calculate the missing angle:



Section 4

Complete the table to convert between mixed fractions and improper fractions.

$\frac{13}{4}$	
	$5\frac{1}{2}$
$\frac{19}{3}$	

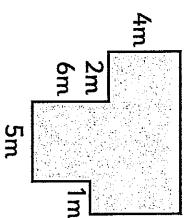
Section 5

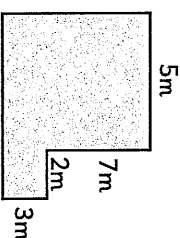
Write the equivalent to the fractions and decimal fractions.

$\frac{3}{4}$	
	0.667
$\frac{5}{8}$	

Section 6

Calculate the perimeter of these rectilinear shapes:





Section 8

Estimate how many millilitres in a mug.



twinkl

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Year 5 Maths Activity Mat

②

Section 1

Circle the numbers where '5' is in the thousands place:

92 735 92 854

85 492

95 410 16 905

56 892

78 501 50 467

27 651

93 578

Section 3

Calculate:

$5.6 \times 100 =$

$7.69 \times 100 =$

$219 \div 100 =$

$3304 \div 100 =$

Section 5

Match the following numerals to the equivalent written number.

seventeen point one seven

17.07

seven point one seven

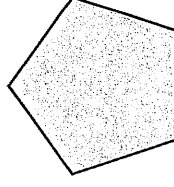
7.17

seventeen point zero seven

17.17

Section 7

Write regular or irregular under the following shapes:



.....

Section 4

Insert the correct symbol to make this number sentence correct. $<$, $>$ or $=$

$\frac{4}{5}$		$\frac{8}{10}$
$\frac{1}{3}$		$\frac{5}{12}$
$\frac{7}{8}$		$\frac{33}{40}$

Section 2

Calculate the following in your head:

$56 + 19 =$

$27 + 54 =$

$82 - 45 =$

$92 - 38 =$

Section 6

Complete the table to convert between millilitres and litres.

Millilitres	Litres
110ml	
	10l
1650ml	

Section 8

Here is a table showing the number of vehicles that passed a school in one day.

Vehicle	Number
Car	273
Bus	37
Lorry	29
Van	

Three times as many cars passed the school as other vehicles. How many vans passed the school?

Year 5 Maths Activity Mat

4

Section 1

The temperature is -8°C . Two hours earlier, the temperature was 6°C warmer. What was the temperature two hours earlier?

Section 2

Here are the weekend cinema takings for 29th April - 1st May 2016.

Captain America	£14 466 681
The Jungle Book	£5 758 824

What was the difference in takings between the two films, rounded to the nearest thousand?

Section 6

1kg $\approx$ 2.2lb (pounds)
1 stone = 14lb

How many kilograms in one stone? Give your answer to two decimal places.

Section 7

Draw a triangular prism.

Section 3

$$\begin{array}{r} 57\Box \\ + \Box9 \\ \hline 811 \end{array} \quad \begin{array}{r} 6\Box2 \\ - \Box0\Box \\ \hline 263 \end{array}$$

Section 5

Adjacent squares are added together to give the number above. Complete the number wall.

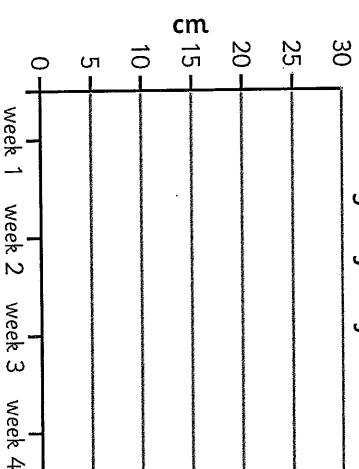
	13.76	11.04
	6.83	

Section 8

Children measure the height of a sunflower once a week. They record their measurements in a table.

Week	Height of sunflower (cm)
Week 1	3
Week 2	10
Week 3	18
Week 4	27

Height of Sunflower



Draw the line on the graph.

Section 4

Order the following fractions from smallest to largest.

$$\frac{2}{3}, \frac{11}{12}, \frac{5}{6}, \frac{13}{18}$$

smallest			largest

Year 5 Maths Activity Mat

5

Section 1

Write these Roman Numerals as numbers.

CXXVI →

DCCLXIX →

Section 3

Calculate:

$$426 \times 13 = \boxed{}$$

$$1456 \div 7 = \boxed{}$$

Section 4

Calculate:

$$\frac{2}{5} + \frac{1}{10} = \boxed{}$$

$$\frac{2}{3} - \frac{1}{12} = \boxed{}$$

Section 5

Write the following fractions as percentages:

$$\frac{48}{100} = \boxed{}\%$$

$$\frac{19}{100} = \boxed{}\%$$

$$\frac{6}{100} = \boxed{}\%$$

Section 2

Circle the square numbers:

1 12 23 27
5 16
41 35
49 82
50 58 64 qq
77
135 71 110
121 118
144 165 169

Section 6

1ml of water weighs 1g. An empty plastic bottle weighs 10g. How much do 4 half-litre bottles full of water weigh in kilograms?

Section 7

Draw a triangle with 2 acute angles and 1 obtuse angle.

Section 8

Here is a train timetable:

London St Pancras	06:32	07:24	07:58
Leicester	07:52	08:30	09:01
Derby	08:19	09:05	09:25
Chesterfield	08:37	09:27	09:43
Sheffield	08:55	09:41	09:58

Which is the slowest train?

Jan needs to arrive in Sheffield by quarter to ten. Which train should she catch from Leicester?

Year 5 Maths Activity Mat

⑥

Section 1

I am a 3-digit number.
I am odd.
I have twice as many hundreds as tens.
I have twice as many tens as ones.
What am I?

Section 3

Lucas collects 5p coins. When his jar is full, he shares the money between 3 local charities. He counts the full jar and has 255 5p coins. How much will each charity receive?

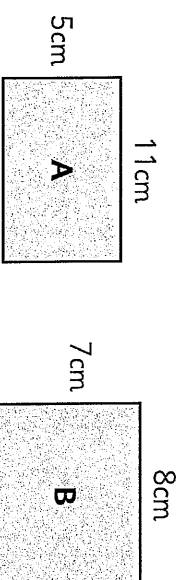
Section 5

Complete the table by writing the equivalent fraction or percentage:

$\frac{2}{5}$	40%
	33%
	80%
$\frac{1}{2}$	
$\frac{3}{4}$	

Section 6

Which rectangle has the larger area?



Section 2

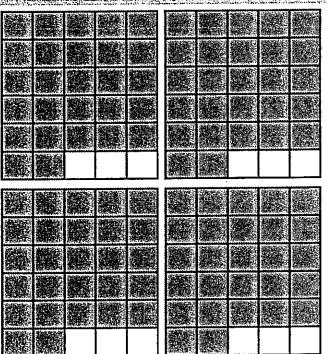
Write the factor pairs of 32.

Write the common factors of 9 and 27.

Section 4

Use the visual representation to calculate:

$$5\frac{2}{5} \times 4 =$$

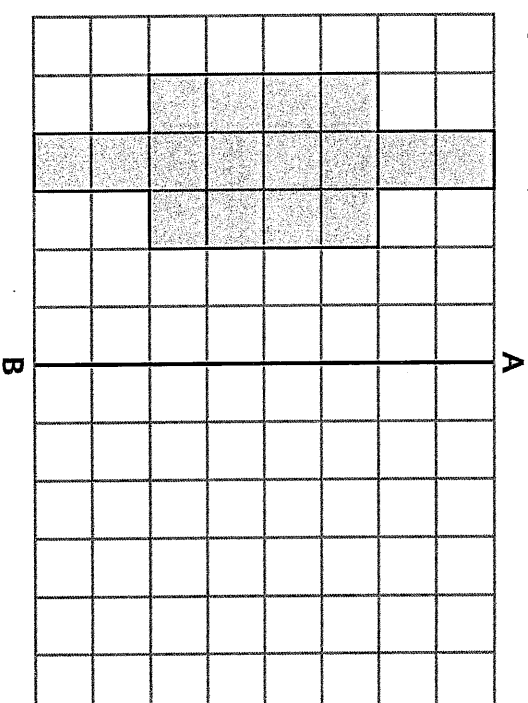


Section 7

Draw an angle of 165°.

Section 8

Reflect this shape about the line AB.



Year 5 Spring 1 Maths Activity Mat 2

Section 1

In the number 7341, which digit represents the thousands?

In the number 8093, what place value does the 9 represent?

Section 2

Calculate the following in your head:

$31 + 15 =$

$24 + 42 =$

$67 - 24 =$

$56 - 34 =$

Section 3

Calculate:

$67 \times 10 =$

$102 \times 10 =$

$290 \div 10 =$

$3090 \div 10 =$

Section 4

Use the < or > signs to compare these fractions:

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

$\frac{5}{5}$ $\frac{3}{8}$

$\frac{2}{5}$ $\frac{3}{5}$

Section 5

Write the following decimals in words:

$4.6 =$ _____

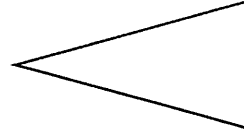
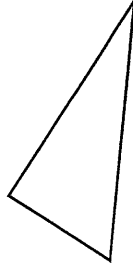
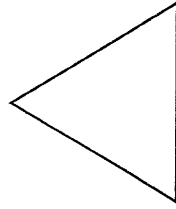
$2.9 =$ _____

$1.1 =$ _____

$5.8 =$ _____

Section 6

Put a tick inside any regular triangle.



Section 7

Complete the table to convert between millilitres and litres.

Millilitres	Litres
150ml	
	4.6l
2400ml	

Section 8

Here is a table showing the number of children who had a hot or cold meal on a particular day. Complete the table.

	5A	5B	5C	Total
Hot	18	23		
Cold		7	9	
Total	29		28	

Year 5 Spring 1 Maths Activity Mat 1

Section 1

Order the following numbers from smallest to largest.

1212 1122 2112 1221

--	--	--	--

smallest largest

Section 2

Three children have £4.85 altogether. None has more than £2 or less than £1. How much could they each have?

--	--	--

Section 3

Eric wants some pizzas cut into 16 pieces. He could have one pizza cut into 16 pieces. Explain 3 other ways he could share some pizzas into 16 pieces.

_____ pizzas cut into _____ pieces.
 _____ pizzas cut into _____ pieces.
 _____ pizzas cut into _____ pieces.

Section 4

Match the mixed fractions and improper fractions.

$\frac{7}{2}$	$2\frac{3}{4}$
$\frac{8}{3}$	$2\frac{2}{3}$
$\frac{11}{4}$	$3\frac{1}{2}$

Section 5

Match the following fractions to the equivalent decimal fraction.

$\frac{1}{5}$	0.75
$\frac{3}{4}$	0.5
$\frac{1}{2}$	0.2

Section 6

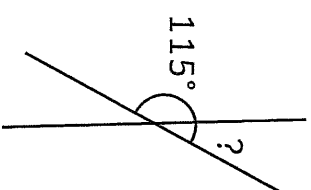
Calculate the perimeter of these rectangles:

 5cm 4cm	
 8cm 2cm	
 10cm 1cm	

*not to scale

Section 7

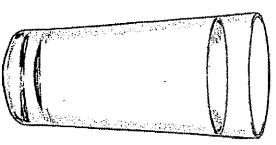
Calculate the missing angle:



*not to scale

Section 8

Estimate the capacity of a glass of water in millilitres.



Year 5 Spring 2 Maths Activity Mat 2

Section 1

Which digit represents the place value ten thousands in this number: **295 718**

Section 2

Calculate the following in your head:

$45 + 23 =$

$29 + 56 =$

$78 - 62 =$

$61 - 34 =$

Section 3

Calculate:

$5.7 \times 100 =$

$9.01 \times 100 =$

$510 \div 100 =$

$8020 \div 100 =$

Section 4

Use the symbols $<$, $>$, and $=$ to compare these fractions:

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

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

$\frac{4}{10}$ $\frac{2}{5}$

Section 5

Write the following numbers in numerals:

five point nine

seventeen point two

four and a quarter

Section 6

How many litres in a 250ml bottle of water?

Section 7

Write regular or irregular by each shape.





Section 8

Here is a table showing the favourite pets of children in a year group.

Pet	Number
Dog	15
Cat	21
Rabbit	6
Fish	17

How many children are there in the year group?