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.

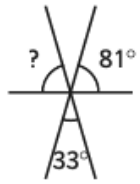
___ children have ___ cakes each. ___ children have ___ cakes each.

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.

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

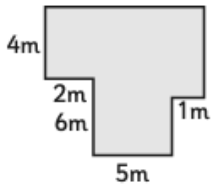
Section 5

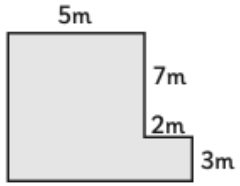
Write the equivalent to the fractions and decimal fractions.

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

Section 6

Calculate the perimeter of these rectilinear shapes:





Section 8

Estimate how many millilitres in a mug.

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 2

Calculate the following in your head:

56 + 19 = ☐

27 + 54 = ☐

82 - 45 = ☐

92 - 38 = ☐

Section 3

Calculate:

5.6 x 100 = ☐

7.69 x 100 = ☐

219 ÷ 100 = ☐

3304 ÷ 100 = ☐

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 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

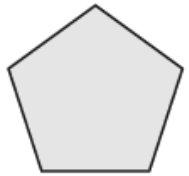
Section 6

Complete the table to convert between millilitres and litres.

Millilitres	Litres
110ml	
	10l
1650ml	

Section 7

Write regular or irregular under the following shapes:



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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 Homework Week 3 Due in Monday 22nd June

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 2

Write all the prime numbers from 21 to 50.

Section 3

Calculate:

5 x 60 =

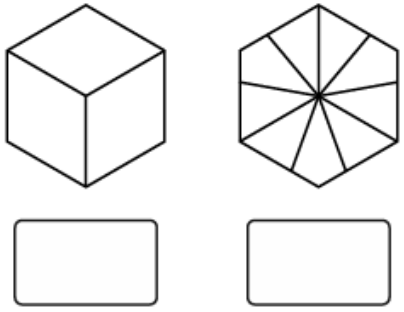
30 x 7 =

40 x 90 =

80 x 110 =

Section 4

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



Section 5

Round these numbers to the nearest whole number:

11.5 =

1.96 =

9.12 =

56.29 =

Section 6

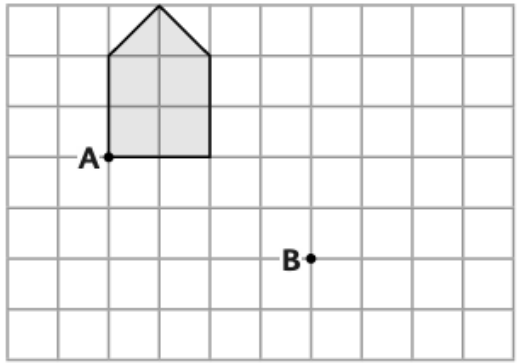
Ben gets the 17:12 train. The journey is due to last 1 hour 52 minutes. At what time should the train arrive?

Section 7

How many rectangles are there in this drawing?

Section 8

Translate this shape from point A to point B.



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 3

$$\begin{array}{r} 5\ 7\ \square \\ +\ \square\ 9 \\ \hline 6\ 1\ 1 \end{array} \qquad \begin{array}{r} 6\ \square\ 2 \\ -\ \square\ 0\ \square \\ \hline 2\ 6\ 3 \end{array}$$

Section 4

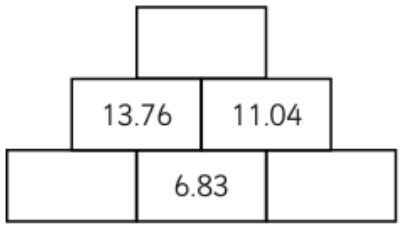
Order the following fractions from smallest to largest.

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

smallest largest

Section 5

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



Section 6

1kg ≈ 2.2lb (pounds)

1 stone = 14lb

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

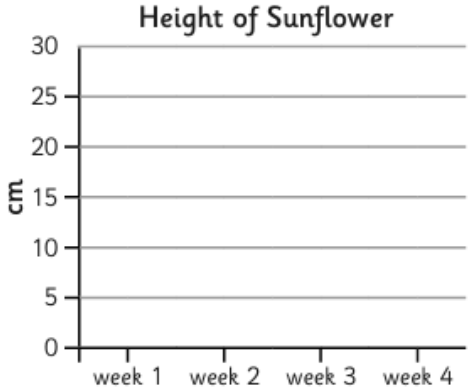
Section 7

Draw a triangular prism.

Section 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



Draw the line on the graph.

Year 5 Maths Activity Mat

⑤

Section 1

Write these Roman Numerals as numbers.

CXXVI → ☐

DCCLXIX → ☐

Section 3

Calculate:

426 x 13 = ☐

1456 ÷ 7 = ☐

Section 4

Calculate:

$\frac{2}{5} + \frac{1}{10} =$ ☐

$\frac{2}{3} - \frac{1}{12} =$ ☐

Section 5

Write the following fractions as percentages:

$\frac{48}{100} =$ ☐ $\frac{19}{100} =$ ☐ $\frac{6}{100} =$ ☐

Section 2

Circle the square numbers:

1 12 23 27 5 16 41 35 90 49 82 50 64 99 58 77 110 135 71 121 118 144 165 169

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 Homework Week 6 Due in Monday 13th July

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 2

Write the factor pairs of 32.

Write the common factors of 9 and 27.

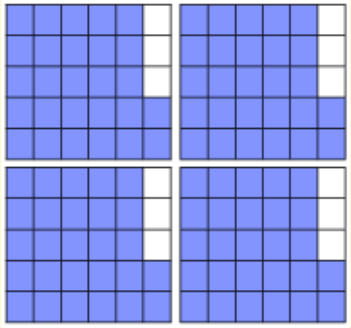
Section 3

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 4

Use the visual representation to calculate:

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



Section 5

Complete the table by writing the equivalent fraction or percentage:

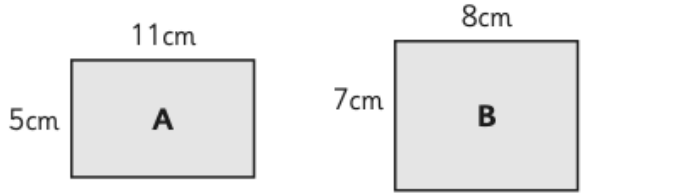
$\frac{2}{5}$	**40%**
	33%
	80%
$\frac{1}{2}$	
$\frac{3}{4}$	

Section 7

Draw an angle of 165°.

Section 6

Which rectangle has the larger area?



Section 8

Reflect this shape about the line AB.