10-4-10

‘10 minutes a day for ten days’

This booklet is designed to keep your brains ‘ticking over’ during the termly break. Just a few short activities will mean that you return ready to learn and raring to go!

Try to really impress your teacher by completing one challenge for each day of the week off.

Circle any questions that you’d like some more help with when term starts again.

Commissioned by The PiXL Club Ltd. February 2018

This resource is strictly for the use of member schools for as long as they remain members of The PiXL Club. It may not be copied, sold nor transferred to a third party or used by the school after membership ceases. Until such time it may be freely used within the member school.

All opinions and contributions are those of the authors. The contents of this resource are not connected with nor endorsed by any other company, organisation or institution.

© Copyright The PiXL Club Limited, 2018

PiXL PRIMARY partners in excellence

PiXL PRIMARY Maths

Easter Revision

Day 1

Arithmetic Questions

1 102 + 4,000 =

1 mark

2 5.6 x 10 =

1 mark

3 8 - 20 =

1 mark

4 456 x 8 =

1 mark

5 360 ÷ 6 =

1 mark

Day 1
Reasoning Questions

6

Complete the missing numbers in the sequence.

8, 4, 0, ☐, ☐, -12

1 mark

7

Circle the number which is closest in value to 5.

5.3 5.03 5.1 5.13 5.33

1 mark

8

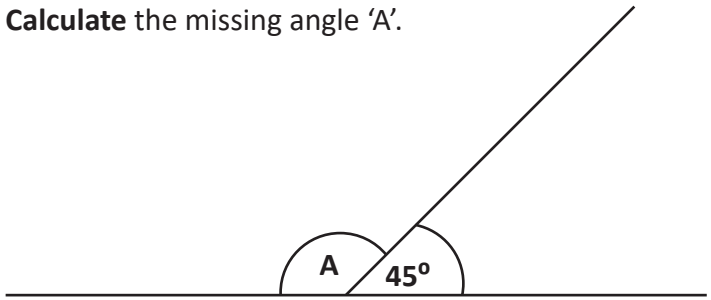
Write in the missing numbers to complete the grid.

x	☐	☐
8	32	24
☐	28	21

1 mark

9

Calculate the missing angle 'A'.



_____

1 mark

10

The price of a highlighter pen is 75p when bought individually.
A pack of 5 highlighter pens is £3.50. How much cheaper is **one pen** when bought as part of a pack? Show your working.

1 mark

Day 2

Arithmetic Questions

1 _____ = 305,324 + 3,000

1 mark

2 5060 - 239 =

1 mark

3 24 x 25 =

1 mark

4 0.67 x _____ = 67

1 mark

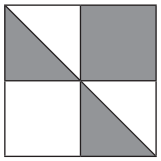
5 3672 ÷ 8 =

1 mark

Day 2
Reasoning Questions

6

The diagram below is made of squares and triangles.
What fraction of the diagram is shaded?



_____

_____
1 mark

7

Kim says, '20,001 cannot be a multiple of 4'. Explain why she is correct.

_____
1 mark

8

Jack ran the 100m in 15.4 seconds. Sima ran it two seconds faster.
What time did Sima record for her run?

_____

_____
1 mark

9

Circle all the fractions which are equivalent to $\frac{3}{4}$.

$\frac{6}{8}$ $\frac{5}{6}$ $\frac{12}{16}$ $\frac{18}{24}$ $\frac{7}{11}$

_____
1 mark

10

Write these numbers in **ascending order**.

0.4 **0.48** **0.39** **0.048** **0.41**

_____
1 mark

Day 3

Arithmetic Questions

1

$\frac{2}{8} + \frac{3}{16} =$

1 mark

2

6 - 3.25 =

1 mark

3

_____ = 456 ÷ 100

1 mark

4

34.5 + 124.8 =

1 mark

5

$5^2 + 355 =$

1 mark

Day 3
Reasoning Questions

6

The value of the number in each circle is the same.
What is the value of a circle?

○ + ○ + ○ = 270

_____

1 mark

7

Complete the table below.

	Rounded to the nearest 10	Rounded to the nearest 100
85.6		
123.45		
399.98		

1 mark

8

Write a number in the box to make the statement true.

(☐ ÷ 7) - 8 = -1

1 mark

9

Mitul says that 0.4 is the same as $\frac{2}{5}$. Is he correct?

Yes / No Explain how you know.

1 mark

10

For their Y6 picnic, Class 6H have worked out that they need 24 loaves of bread to make sandwiches. If each loaf is 95p, what is the cost of the bread altogether? Show your working.

1 mark

Day 4

Arithmetic Questions

1 568.4 - 25.3 =

1 mark

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

1 mark

3 0.09 x 1000 =

1 mark

4 $75 - 10 = 5^2 +$ _____

1 mark

5 -12 + 20 =

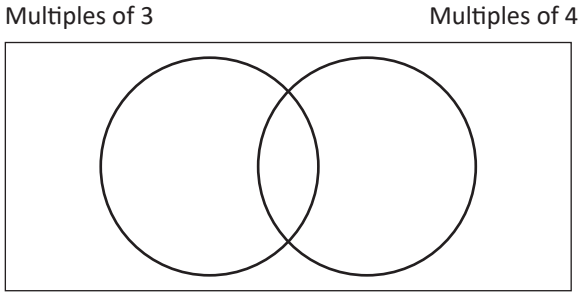
1 mark

Day 4
Reasoning Questions

6

Write the following numbers in the correct place on this Venn diagram.

240 44 35 42 400

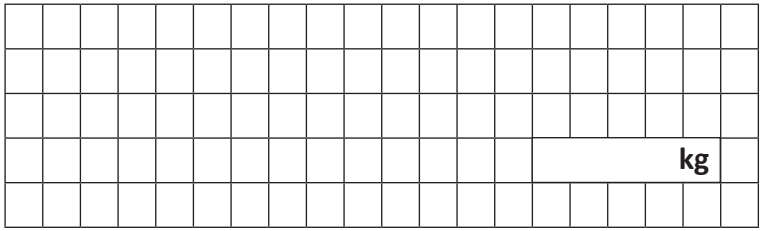


_____

1 mark

7

Mr. Smith bought a bag of 5 apples which weighed 585g in total. The bag weighed 5g. What is the weight of one apple? **Give your answer in kg.**

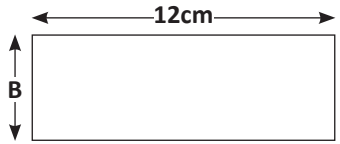


_____

1 mark

8

The rectangle below has a perimeter of 50cm.
Find the missing distance labelled 'B'.



_____

_____

1 mark

9

Label (or colour) the diagram below so that the ratio of red (R) to green (G) is 5:2. Two have been completed for you.

R	G					

_____

1 mark

10

I think of a number. I halve it and add 2. I then multiply it by 3.
My answer is 48. What is my number?

_____

_____

1 mark

Day 5

Arithmetic Questions

1 84540 ÷ 15 =

1 mark

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

1 mark

3 20% x 300 =

1 mark

4 2340 ÷ 1 =

1 mark

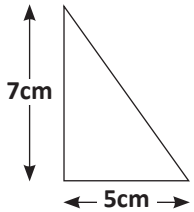
5 _____ = 3500 + 600

1 mark

Day 5
Reasoning Questions

6

Calculate the area of this right-angled triangle.



_____

1 mark

7

Here are some digits.

2 4 5 6 7 9

Use all the digits once to create a square number, a prime number and a multiple of 7.

Square Number	Prime Number	Multiple of 7

1 mark

8

Here is a number sentence.

8 x ☐ < 65

Circle all the numbers which could fit into the number sentence to make it true.

6	**15**	**9**	**7**	**5.5**

1 mark

9

There are 600 pages in a book. Jake has read 40% of them.
How many more pages has he got left to read? Show your working.

1 mark

10

500 people attend a concert. There are 7 children to every 3 adults. How many children are at the concert? Show your working.

1 mark

Day 6

Arithmetic Questions

1 254 x 9 =

1 mark

2 65 - 49 ÷ 7 =

1 mark

3 0.08 x 100 =

1 mark

4 $\frac{6}{7} \div \frac{2}{3} =$

1 mark

5 400 x 60 =

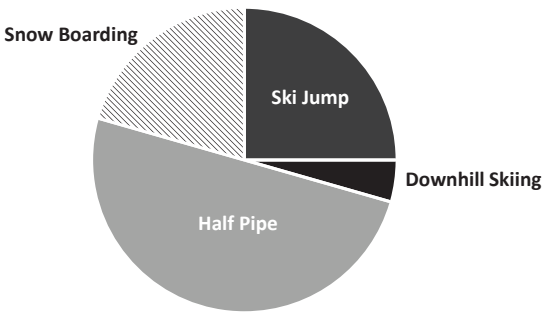
1 mark

Day 6
Reasoning Questions

6

The pie chart below shows the favourite events at the Winter Olympics. Use the information to estimate the percentage of people who liked snowboarding the most.

Favourite events at the Winter Olympics



_____

1 mark

7

Circle the number that is 100 times greater than 5.6

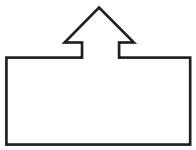
0.56 **56** **5600** **560** **5006**

1 mark

8

Estimate the number shown by the arrow.

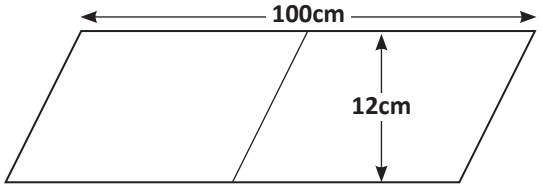
50,000 _____ 100,000

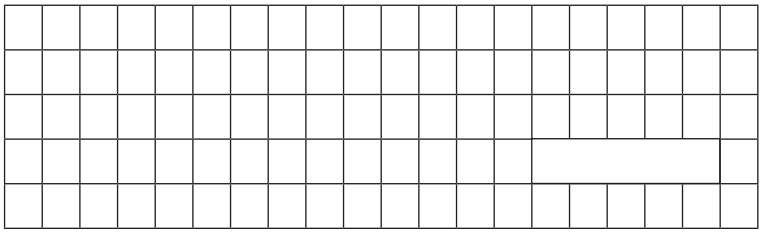


1 mark

9

A floor is covered in tiles in the shape of identical parallelograms. Calculate the area of **one parallelogram** from the information below. Show your working.





1 mark

10

In the ski jumping event in the Winter Olympics, five athletes jumped the following distances. Calculate the **mean** of their distances.

147.2 m	145m	0.14km	137.8m	145m

_____ m

1 mark

Day 7

Arithmetic Questions

1 _____ = 9,865 - 100

1 mark

2 3,456 x 1000 =

1 mark

3 123.9 + 0.34 =

1 mark

4 26 - 36 =

1 mark

5 250 + (9 x 5) =

1 mark

Day 7
Reasoning Questions

6

A shop has a 20% discount sale. A pair of trainers are usually £36. How much would they be in the sale? Show your working.

1 mark

7

The diagonals of two shapes are drawn below.
Write down the name of each shape in the space next to it.

_____ _____

1 mark

8

A roll of sandwich bags is 450cm long. Each bag is 15cm long. How many bags are there in a roll? Show your working.

1 mark

9

Circle all the numbers that are **multiples of 9**.

118 **18** **89** **540** **81**

1 mark

10

Draw a line from the shaded box to the correct pair of numbers which make this statement true.

3t + y = 5	**t = 1, y = 4** **t = 1, y = 2** **t = 2, y = 3**

1 mark

Day 8

Arithmetic Questions

1

_____ = $9^2 + 3^2$

1 mark

2

50 x 25 =

1 mark

3

3,456 + 999 =

1 mark

4

15 x 4.2 =

1 mark

5

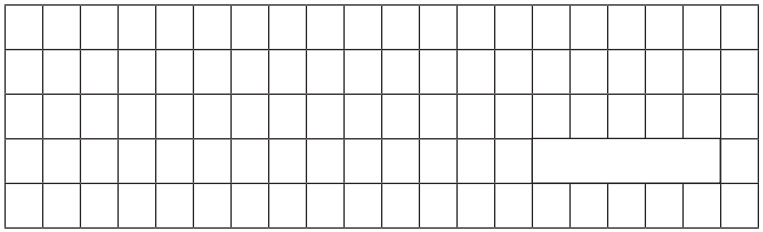
4655 ÷ 19 =

1 mark

Day 8
Reasoning Questions

6

There were 112 roller skaters on a rink. 60 dropped out but a further 26 joined. How many roller skaters are there now? Show your working.



_____ 1 mark

7

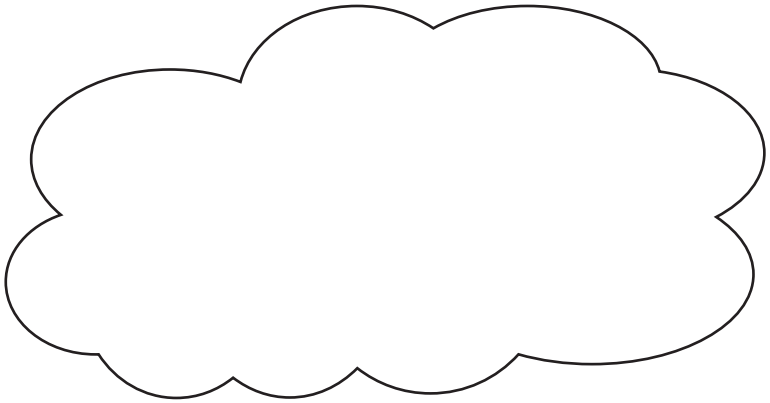
Complete the sequence of numbers.

9 16 25 36 ____ ____

_____ 1 mark

Leroy says that 146 will be in the sequence. Is he correct?

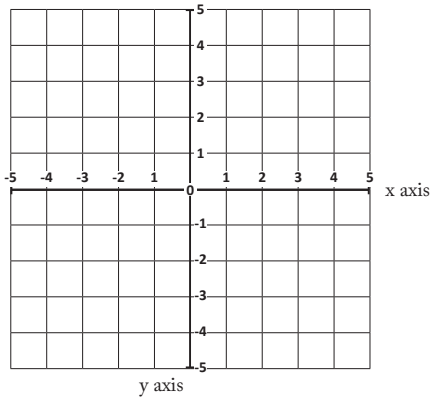
Yes / No Explain how you know.



_____ 1 mark

8

Two of the vertices of an isosceles triangle have these coordinates:
(1, 3) (3, 3). Plot the points then plot a third vertex to complete the shape.
Write down the coordinates of your third vertex.



_____ 1 mark

9

Circle all the numbers that are **common multiples** of 4 and 6.

240 30 120 16 48

_____ 1 mark

10

Write one number in each box to make the number sentence true.

$$\frac{\square}{12} = \frac{1}{3} = \frac{3}{\square}$$

_____ 1 mark

Day 9

Arithmetic Questions

1 $2\frac{1}{6} + \frac{5}{6} =$

1 mark

2 $25 + (9 \times 12) =$

1 mark

3 $2345 \times 7 =$

1 mark

4 25% of 500 =

1 mark

5 $4568 \div 4 =$

1 mark

Day 9
Reasoning Questions

6

Complete the bus timetable below.

Route	Departure Time	Arrival Time	Duration of Journey
Dibden - Sutton	0945		55 Minutes
Tulling - Fripton	1115	1340	
Sibsey - Monkton		1545	1hr 15 Minutes

1 mark

7

A shop has 270 pairs of jeans displayed on shelves. Each shelf holds 18 pairs of jeans. How many shelves are needed? Show your working.

1 mark

8

Circle all the **common multiples** of 5 and 6.

30 55 120 90 66

1 mark

9

$\frac{2}{6}$ of the 360 children in a school come by car. $\frac{2}{6}$ cycle to school.
How many of the children travel to school in other ways?
Show your working.

1 mark

10

Insert a pair of brackets to make this statement true.

15 + 9 x 8 = 87

1 mark

Day 10

Arithmetic Questions

1

_____ - 100 = 5346

1 mark

2

$\frac{2}{7} \times \frac{3}{9}$ = _____ Simplify your answer.

1 mark

3

2.098 + 12.6 =

1 mark

4

0.04 x _____ = 40

1 mark

5

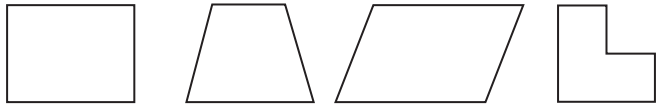
$3\frac{4}{5} \times \frac{2}{3}$ =

1 mark

Day 10
Reasoning Questions

6

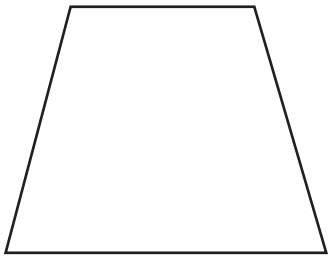
Tick inside the shapes which have **exactly one line of symmetry**.



1 mark

7

Draw **1 perpendicular line** inside this shape to create a trapezium and a triangle.



1 mark

8

Insert one of these symbols into each box to make the statements true. **<** **>** **=**

$\frac{5}{6}$	☐	$\frac{10}{12}$
75%	☐	0.6
5%	☐	0.05

1 mark

9

Amina posts four large letters. The postage costs the same for each letter. She pays with a £20 note. Her change is £16.60. What is the cost of posting one letter? Show your working.

1 mark

10

James says 0.20 is equivalent to $\frac{1}{20}$.

Is he correct? **Yes / No** Explain how you know.

1 mark