Name: _____

HEROES TUITION

November Homework
Maths
Silver

**Please return this booklet to your maths teacher by the end of the month.
All answers will be sent to your parents or guardians, so please ensure it is marked before handing it in.**
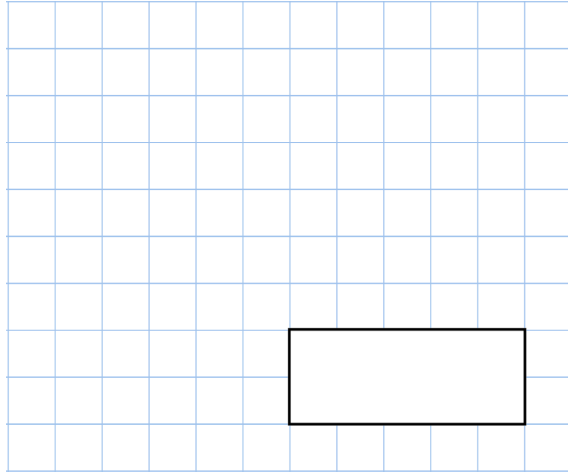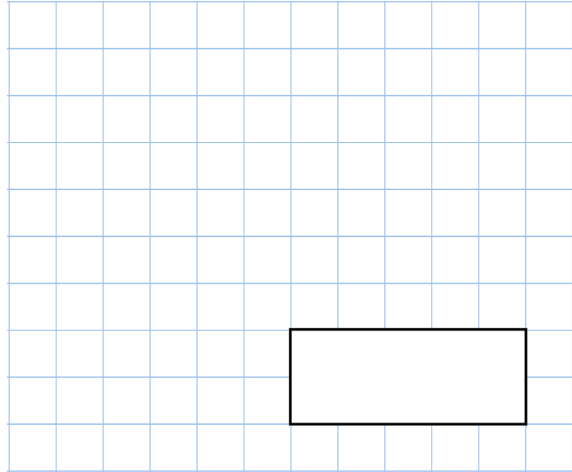
Heroes Tuition Centre - Homework

Name: _____

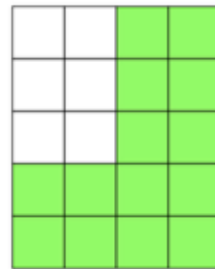**1st November**

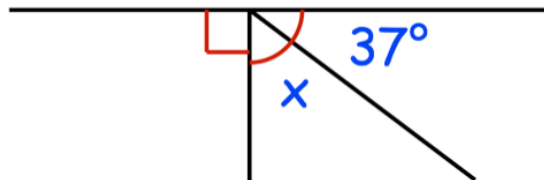|	
68×7	$5.3 + 2.8$

Here is a pentagonal prism

Does a pentagonal prism have more edges or vertices?

What fraction of this shape is shaded?

Find the size of angle x

37°

x

Heroes Tuition Centre - Homework

Name: _____   Silver
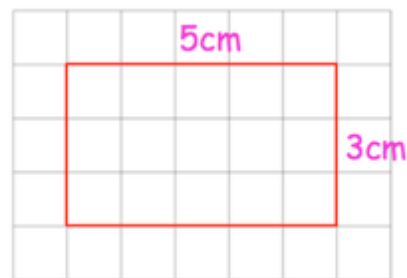
2nd November

$705 + 1{,}623$

$$\frac{10}{11} - \frac{2}{11}$$

Dani drives 4.8 miles to Bristol and then further 6.7 miles to Bath.

Work out how far Dani drove in total.

Work out the perimeter of this rectangle

5cm

3cm

Evie buys three pencils

She pays with a £5 note. This is her change.

What is the cost of one pencil?

Heroes Tuition Centre - Homework

Name: _____

3rd November

$121 \div 11$	$275 \div 5$

Write the correct symbol in each box

$$< \quad >$$

1,098 ☐ 1,100

6,821 ☐ 6,812

9,999 ☐ 10,000

James and Jack buy 3 litres of orange juice.

Each boy drinks 850 millilitres of orange juice.

How much orange juice is left?

Round 1,267 to the nearest 100

Heroes Tuition Centre - Homework

Name: _____

4th November

$$27 + 27 + 27 + 27 + 27$$

$$180 \div 20$$

Natalie wants to buy a car.

She saves £100 a month.

How much money will she have saved after 16 months?

Aberdeen -6°C

Belfast -9°C

Newcastle -8°C

Cardiff 0°C

London 2°C

Cork -7°C
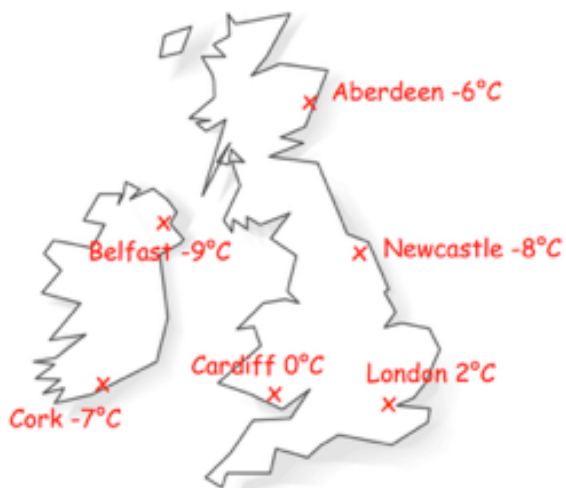
Which cities have temperatures below 1℃?

The temperature in Glasgow is 2℃ cooler than Aberdeen.

What is the temperature in Glasgow?

Heroes Tuition Centre - Homework

Name: _____

5th November

$117 \div 9$	$3,000 - 30$

Mountain	Height
Pen y Fan	886 metres
Scafell Pike	978 metres
Bowfell	902 metres
Ben Hope	927 metres

What is the combined height of the two tallest mountains?

A is the point (3, 4)

Plot the point A

B is the point (1, 0)

Plot the point B
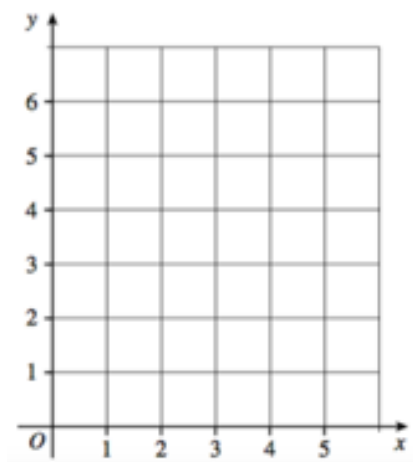
Heroes Tuition Centre - Homework

Name: _____   Silver

6th November

$5 - 11$	$\dfrac{4}{5}$ of 60

List all the factors of 12	

Arrange these temperatures in order, from lowest to highest. 11 °C 10.8°C 12.3 °C 15 °C 12.7 °C	

What is the combined length of the 3 rivers?	

River	Length in kilometres
Nile	6,853
Thames	346
Mississippi	3,734

Heroes Tuition Centre - Homework
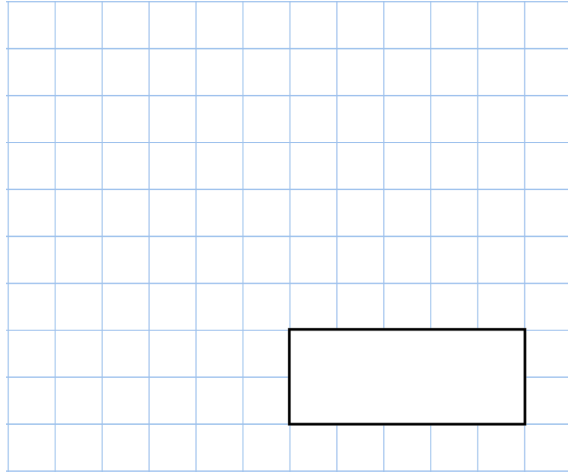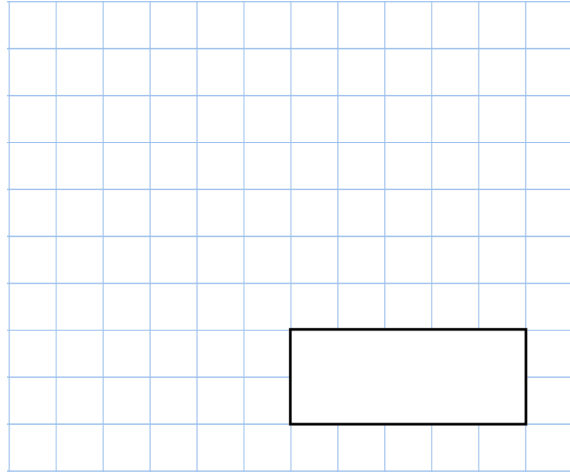
Name: _____   Silver

7th November

$4,465 + 3,000$	$10 \times 1,000$

What type of triangle is shown on the grid?	mirror line
Reflect the triangle in the mirror line	
Here is a number written in Roman numerals ## XX Write the number in figures	
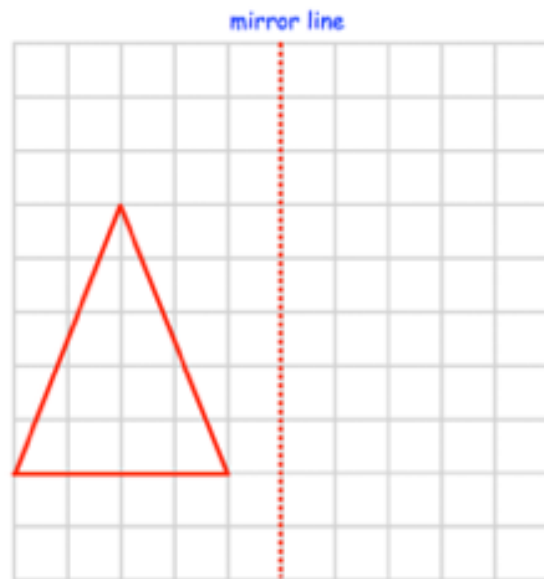
Heroes Tuition Centre - Homework

Name: _____   Silver

8th November

$$\frac{3}{7} + \frac{2}{7}$$

$$722 - 188$$

Match each triangle to the correct name

Triangle   Name
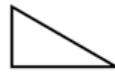
Isosceles

Right angled

Equilateral

Scalene

Find the product of 50 and 9

The numbers in this sequence increase by 25 each time.

10   35   60   85 …

The sequence continues in the same way.

Which number in the sequence will be closest to 250?

Heroes Tuition Centre - Homework
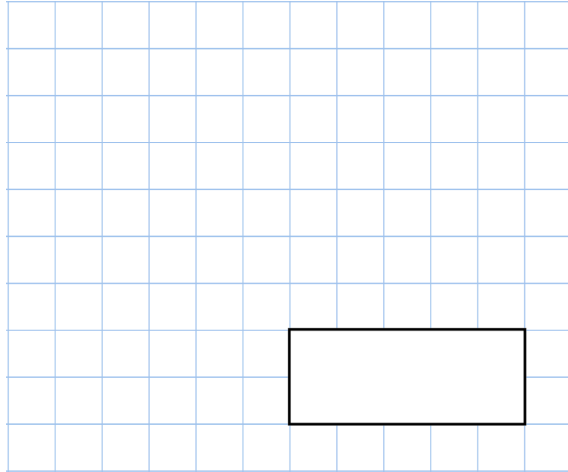
Name: _____
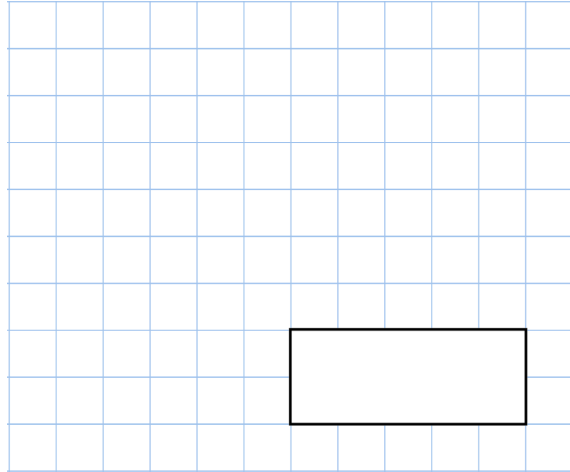
9th November

100×248

$5.4 - \boxed{} = 0.6$

At a football match, there are 2,194 United fans and 7,857 City fans.

How many fans went to the match?

Which two shapes have a line of symmetry?

A   B

C   D
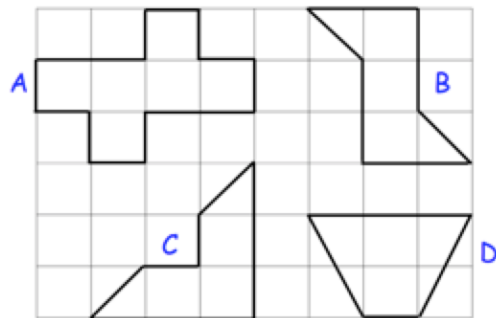
Three different fractions have been added together and the answer is $\frac{17}{20}$

$\boxed{} + \boxed{} + \boxed{} = \frac{17}{20}$

Heroes Tuition Centre - Homework

Name: _____

10th November
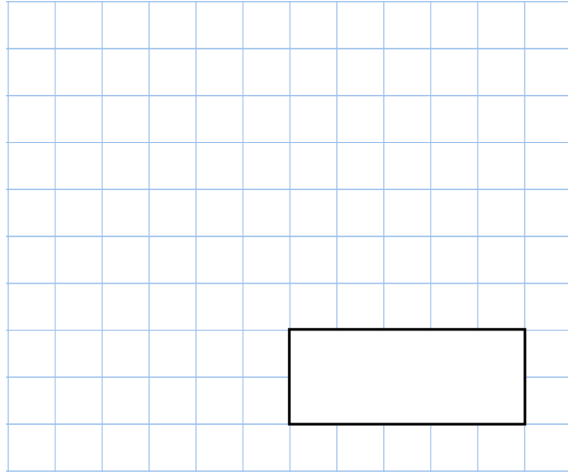
51×7	$20 \times 70 \times 10$
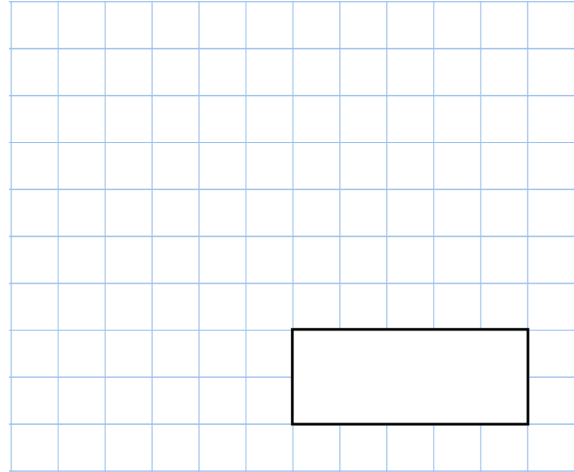
Calculate the size of angle x

60°

x
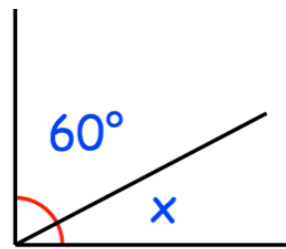
In a town in Cornwall, it rained for 13 days during April.

What fraction of the days in the month did it rain?

There are 6,000 Lego bricks in a box. Vicky and Conor take 900 bricks each. Mollie, Tim and Roger share the rest of the bricks equally.

How many lego bricks does Mollie get?
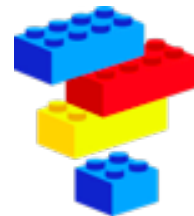
Heroes Tuition Centre - Homework

Name: _____

11th November

$645 \div 5$

$\boxed{} + 20 = 400 - 50$

A song lasts 4 minutes 47 seconds.

How long does the song last in seconds?

Write 0.75 as a percentage

Write 0.5 as a fraction

Show the temperature –9°C on the thermometer with an arrow
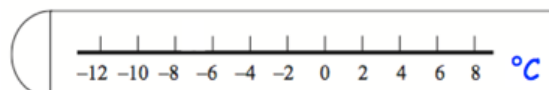
Heroes Tuition Centre - Homework

Name: _____

12th November

$802 - 37$

$\boxed{} = 923 + 269$

Holly is saving money.

In January she saves £17.82
In February she saves £26.33
In March she saves £9.87

Work out how much money Holly has saved in total.

Write the correct symbol in each box

$\boxed{>}$ $\boxed{=}$ $\boxed{<}$

12 × 12 $\boxed{}$ 14 × 10

80 ÷ 20 $\boxed{}$ 75 ÷ 25

60 × 4 $\boxed{}$ 3 × 80

Find the size of angle x

56° x 47°

Heroes Tuition Centre - Homework

Name: _____

13th November

$225 \div 3$

$872 + 200$

Write down the first five multiples of 9

At a concert, each drink costs 60p.

Noah buys 7 drinks and pays with a £10 note.

How much change does he get?

60p

Juice

Jack is 1.7 metres tall

Write this height in centimetres

Heroes Tuition Centre - Homework

Name: _____

14th November

$$\frac{9}{10} - \frac{2}{10}$$
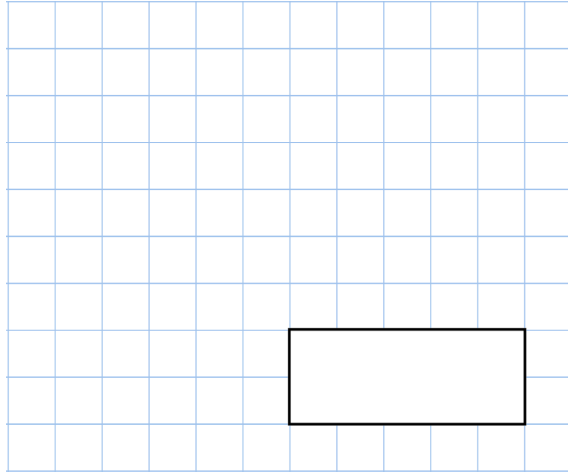
$$4{,}040 - 301$$
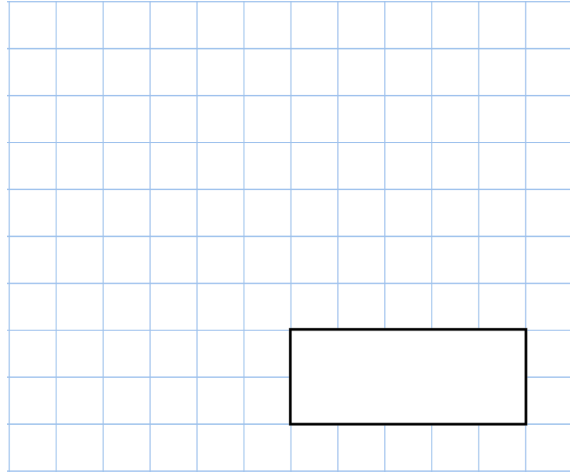
In a class of 20 students,

- 5 choose to play hockey
- Twice as many students play rugby than hockey.
- One more student plays cricket than football.

Show this on the bar chart

Number of students

10
9
8
7
6
5
4
3
2
1
0

Rugby   Football   Hockey   Cricket
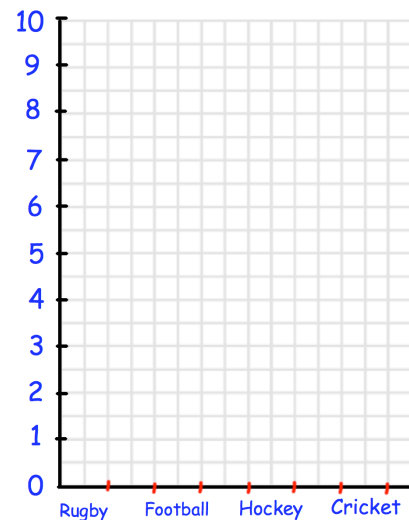
Work out the perimeter of this isosceles triangle.
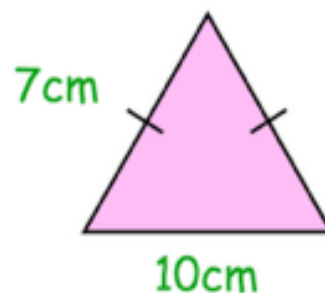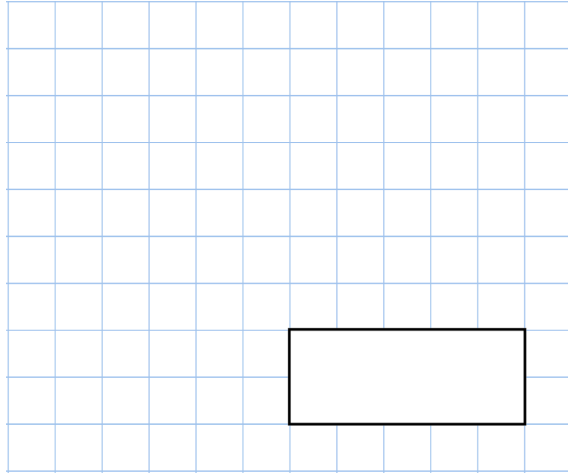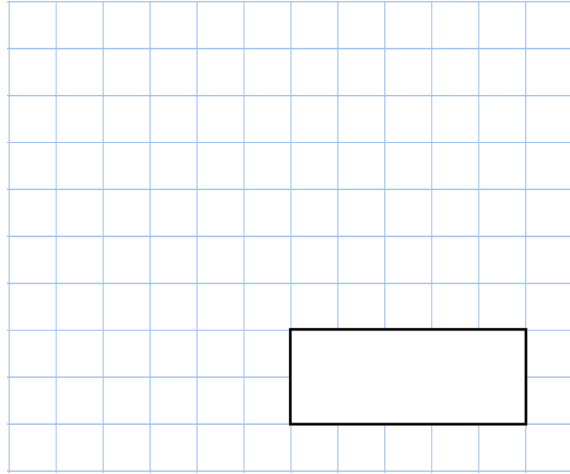
7cm

10cm

Heroes Tuition Centre - Homework

Name: _____   Silver

$209 + 144 + 730$	12×9

A   B   C
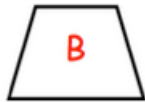
Name shape C

Which shape has the most lines of symmetry?

Reggie the Roman is XL years old.

Write XL in figures

Heroes Tuition Centre - Homework

Name: _____

16th November

$10,000 - 400$

$16 \times 3 = 2 \times \boxed{}$
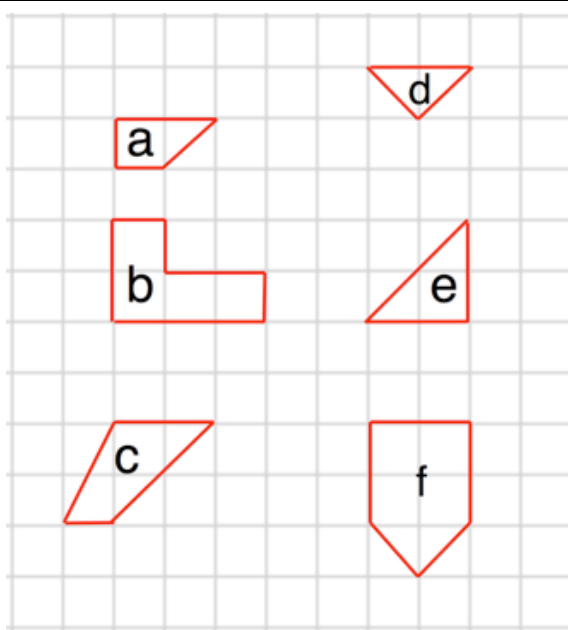
Which shape is an isosceles triangle?

Write the letter of each shape that has one pair of parallel sides

James gets home from school at 16:20.

He finishes his homework 90 minutes later.

Show this time on the clock

Heroes Tuition Centre - Homework

Name: _____   Silver

$$\frac{3}{10} \text{ of } 40$$

$$8 \times 8 \times 6$$

Completed their homework

Did not complete their homework

Number of students

24
20
16
12
8
4
0

Class 1   Class 2   Class 3
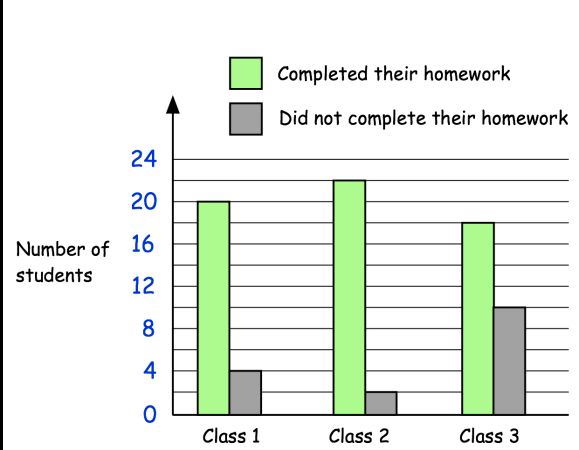
In which class did the most students complete their homework?

Which class has the most students?

A pencil is 10 centimetres long.

Change 10 centimetres to millimetres

Heroes Tuition Centre - Homework

Name: _____

18th November

$$108 \div 6$$

$$1{,}034 - 489$$

Find the sum of 1,608 and 777

Emily thinks of a number.

It is a factor of 18 and a factor of 27.
It is greater than 5.

What number did Emily think of?

A bag of 6 oranges cost £1.80
A bag of 5 apples cost £1.55

How much more does one apple cost than one orange?

Heroes Tuition Centre - Homework

Name: _____

19th November

$$144 \div 12$$
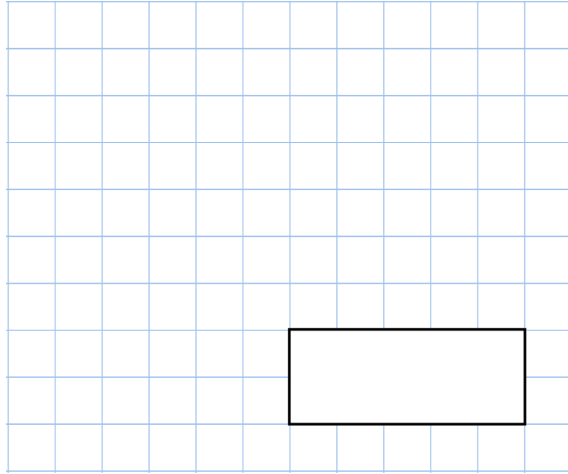
$$450 + 450 + 450$$
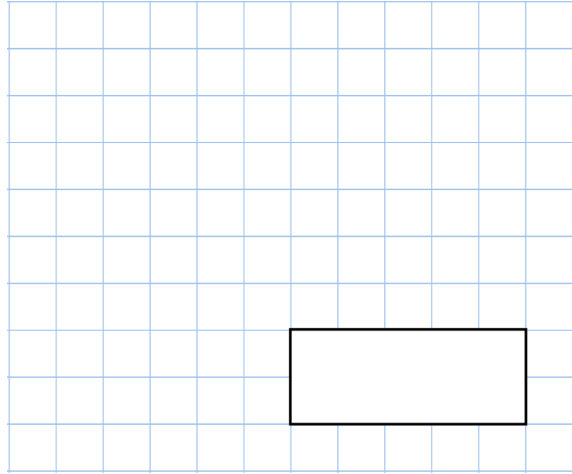
The point A has the coordinates (3, 2)

Plot the point A on the grid
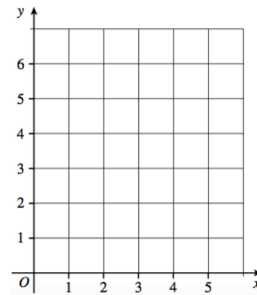
Total of 92

← Total of 27
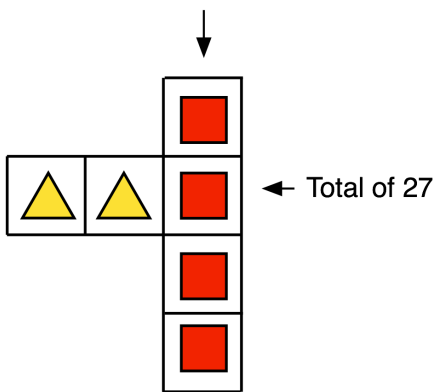
Each shape stands for a number.

Work out the value of each shape

△ = _____

🟥 = _____

Heroes Tuition Centre - Homework

Name: _____

20th November

12×11

$$
\begin{array}{r}
1\ 8\ 0\ 4 \\
-\quad 9\ 2\ 6 \\
\hline
\end{array}
$$

I think of a number.

I double my number and then I add 3.

The answer is 41

What was my number?

Square-based pyramid

Triangular prism
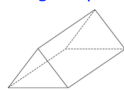
Cuboid
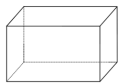
Triangular-based pyramid

Which shape has the most edges?

Kali is doing sit-ups

She does 8 sit-ups every thirty seconds.

How many sit-ups does she do in two minutes?

Heroes Tuition Centre - Homework

Name: _____

21st November

$5.1 - 0.7$

```
  2 0 4
×       8
_____
```

Write the number 26,109 in words

The perimeter of this rectangle is 28 centimetres.

Work out the length of the rectangle.

6cm

length
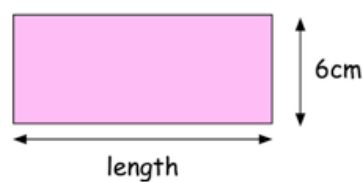
A cinema has 30 rows.
Each row has 9 seats.

During a film there are 55 seats empty.

Work out how many people watched the movie.

Heroes Tuition Centre - Homework

Name: _____

22nd November

$$\begin{array}{r} 3\ 9 \\ \times \qquad 5 \\ \hline \end{array}$$

$\dfrac{3}{5}$ of 105

Work out the difference between 4,500 and 750.

Find the size of angle x

57°

x
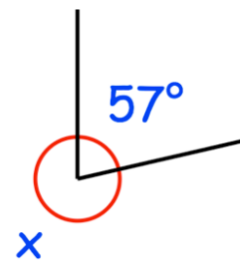
Write the missing numbers to make this multiplication grid correct.

×		
	132	
6	72	48

Heroes Tuition Centre - Homework

Name: _____

23rd November

135 × 4

```
    2  4  9
    1  7  5
+   1  0  7
_____
```

1827 people visited a library last week.

Round this number to the nearest 10.

5693 people visited a museum last week.

Round this number to the nearest 100.

Write one number in each box.

One has been done for you.

	Factor of 20	Not a factor of 20
Factor of 18		
Not a Factor of 18		7

A football costs £3.85

Find the cost of 5 footballs.

Heroes Tuition Centre - Homework
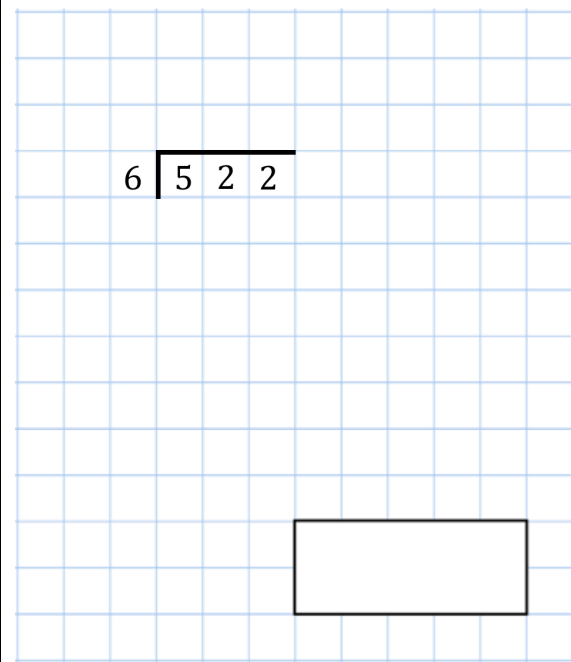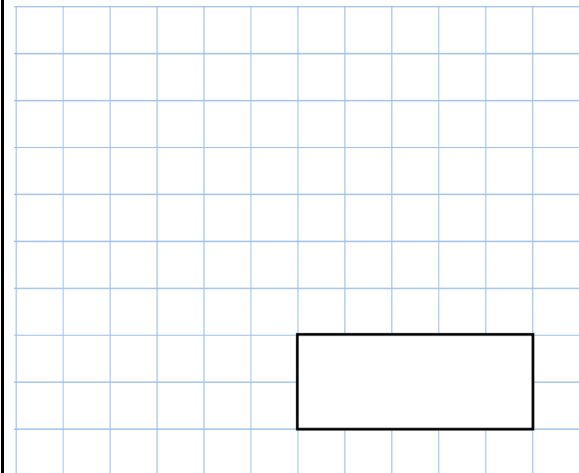
Name: _____

24th November

6 | 5 2 2

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

Josie buys a notebook that cost £6.45 and a pen that costs £1.19.

Work out the total cost.

A is the point (2, 2)

Plot the point A

B is the point (3, 5)

Plot the point B
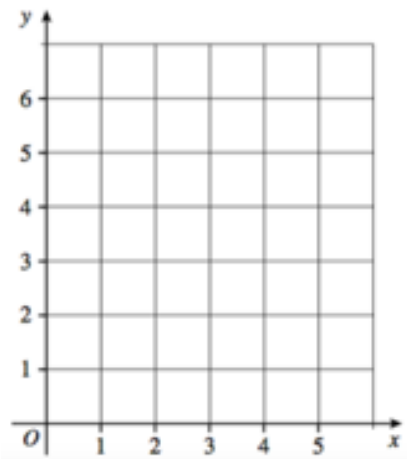
Heroes Tuition Centre - Homework

Name: _____

25th November

$\boxed{} - 1{,}400 = 777$

82×9

Complete this table by rounding the numbers to the nearest hundred.

	Rounded to the nearest 100
231	
648	
750	
1,268	

Find the missing numbers

$\times 3 \qquad \times 3 \qquad \times 3 \qquad \times 3$

$\boxed{} \quad \boxed{48} \quad \boxed{} \quad \boxed{432} \quad \boxed{}$
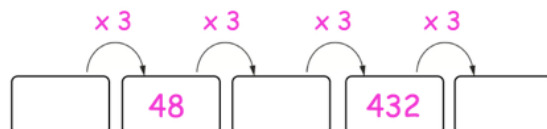
Heroes Tuition Centre - Homework
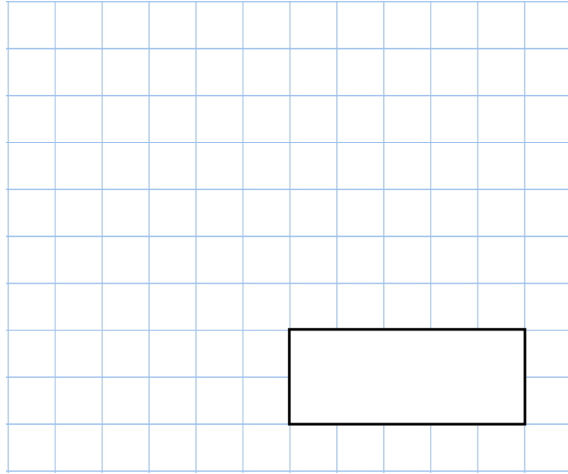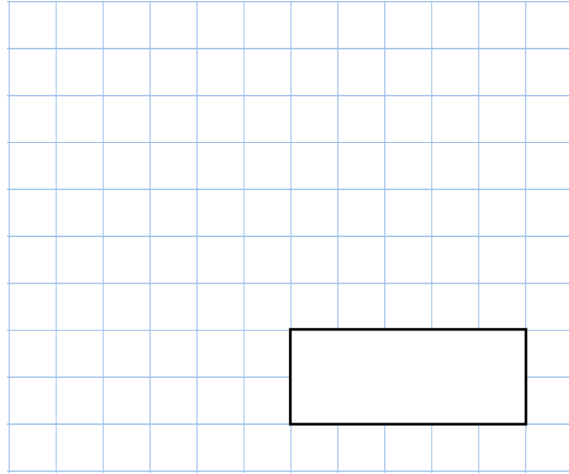
Name: _____   Silver

26th November

$\dfrac{1}{3}$ of 27

$2{,}820 - 1{,}641$

Circle the letters below that have perpendicular lines

E   N   S   T   Y

Write the number 52 in Roman numerals

Work out the perimeter of this equilateral triangle.

71m

Heroes Tuition Centre - Homework

Name: _____   Silver

27th November

$4.2 + 2.9$	$2,000 \div 100$

Magnus flips a fair coin once and rolls an ordinary dice once.

One possible result that Magnus could get is a Tail and a 1

Write down all the other possible results

Change 4 metres into centimetres

Heroes Tuition Centre - Homework

Name: _____   Silver

28th November

$610 - 175$

7×25

A netball team won $\dfrac{4}{9}$ of their matches.

They drew $\dfrac{2}{9}$ of their matches.

What fraction of the matches did they lose?

Show if each statement is right or wrong.

Right or Wrong

81 $<$ 83 ☐

112 $<$ 110 ☐

148 $>$ 149 ☐

List all the factors of 14

Heroes Tuition Centre - Homework

Name: _____   Silver

29th November

$385 + 266$

$\dfrac{7}{8} - \dfrac{4}{8}$

Work out the perimeter of this square

3cm

3cm

A group of 9 friends go on a coach tour.

The total cost of the tour is £684

How much does each person pay?

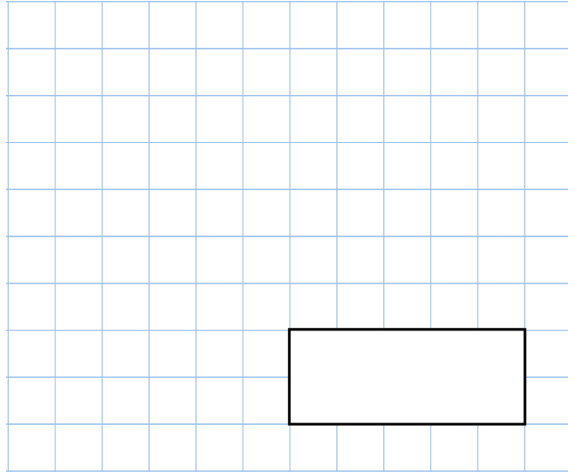Write 75% as a fraction
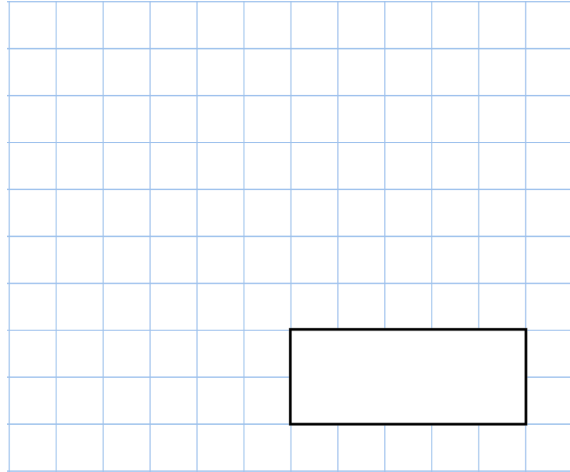
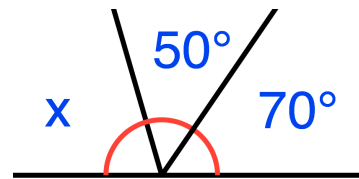# Heroes Tuition Centre - Homework

Name: _____

30th November

17×5
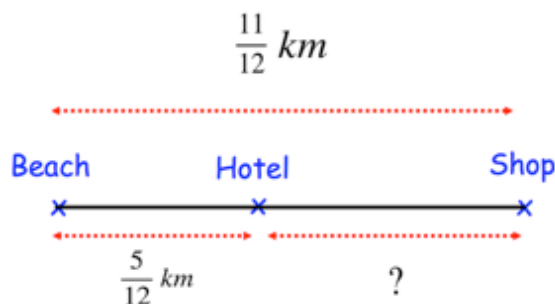
$1,800 \div 6$

Find the size of angle x

50°

x

70°

Lucy cuts 5 metres of rope into three pieces.

The first piece is 0.9 metres.
The second piece is 1.8 metres.

Work out the length of the third piece of rope.

$\frac{11}{12} \, km$

Beach   Hotel   Shop

$\frac{5}{12} \, km$?

What is the distance from the hotel to the shop?