Homework due 09.01.17

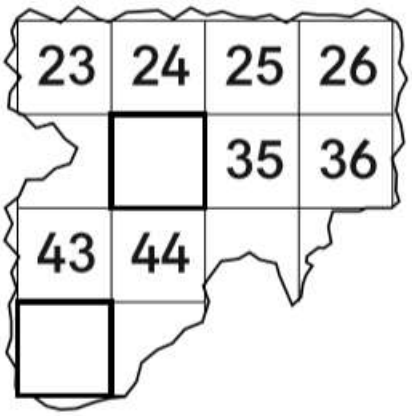
Bronze

1. Write the two missing numbers in this sequence.

   ☐ 22 24 26 28 ☐

2. What number is ten less than twenty-seven? ☐

3. Here is part of a 100 square.
   Write in the two missing numbers.



4. What does the digit 7 stand for in each number?

   357 ☐ 765 ☐ 371 ☐

Silver

1. . Complete this number sentence.

$285 = 200 + \square + 5$

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2. . Write these numbers in order of size, starting with the smallest number.

517 751 571 715 175

smallest				largest

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3. 994 —10 more→ ☐

994 —100 more→ ☐

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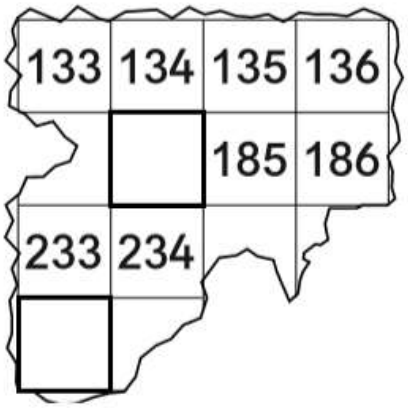
4. Here is part of a 1000 square.
Write in the two missing numbers.



Gold

1. Here is part of a number grid. Write in the two missing numbers.

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64

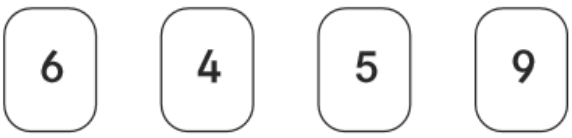
2. Write in the missing numbers.

156 = 100 + ☐ + 6

156 = 100 + 40 + ☐

156 = 100 + ☐ + 46

3.



Use the four digits to make …

A	A number that is less than 5 thousand	
B	A number that has 4 tens, 9 thousands, 5 units and 6 hundreds	
C	A number that is between 6 thousand 5 hundred and 7 thousand	

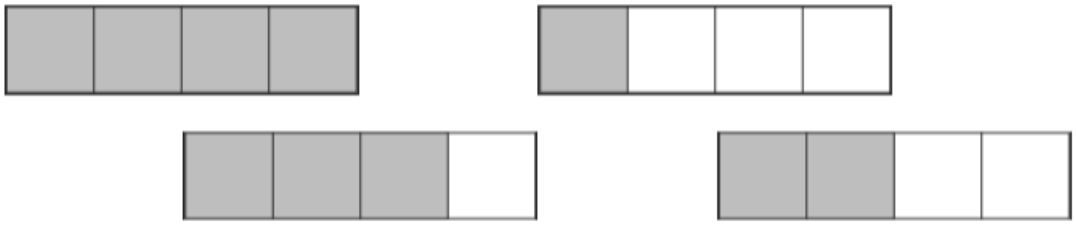
Due 16.01.17

Bronze

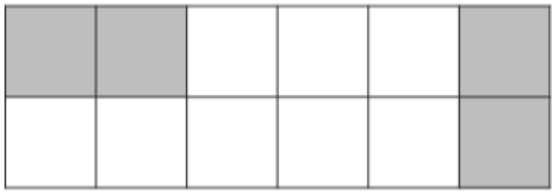
1. Jamal has 12 grapes on his plate.
He eats $\frac{1}{4}$ of them.
How many grapes are still on his plate?

grapes

2. ✓ the shape that has $\frac{3}{4}$ shaded.



3. Colour more squares so that $\frac{1}{2}$ of the squares are coloured.

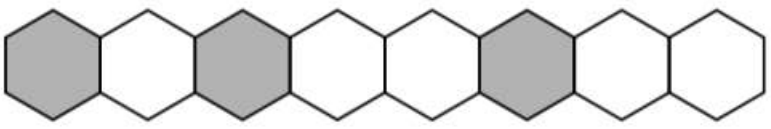


4. Circle all the fractions that equal a half.

$\frac{2}{1}$ $\frac{3}{6}$ $\frac{5}{10}$ $\frac{8}{4}$ $\frac{5}{8}$

Silver

1. What fraction of this shape is shaded?



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2. Calculate $\frac{3}{8}$ of 72.

3. There are 30 pupils.
One fifth of the pupils play the recorder.
How many do **not** play recorders?

pupils

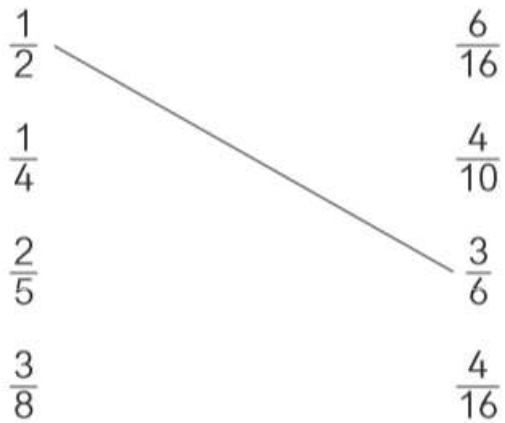
4. 45 people go on a coach trip.
$\frac{1}{3}$ are girls.
How many are boys?
Show your working.

Gold

1. Which of these fractions are equal to each other?

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

2. Match pairs of equivalent fractions. One has been done for you.



3. Tom ate $\frac{4}{5}$ of a 300 g bar of chocolate.
How many grams of chocolate did he eat?

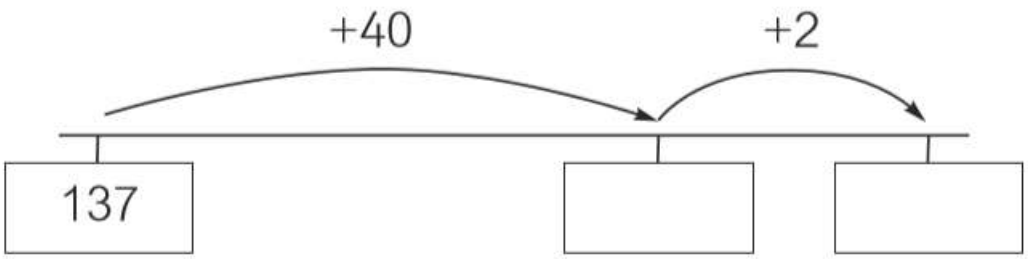
g

4. ☐ ÷ 10 = 92.1

Due 23.01.17

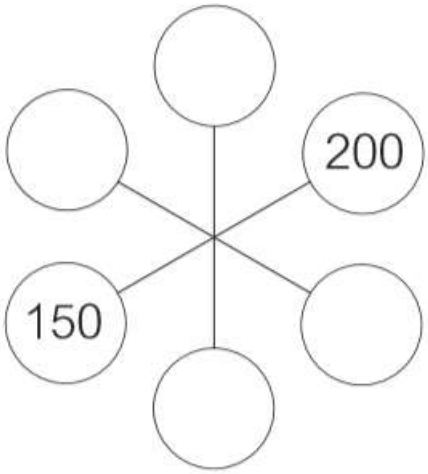
Bronze

1. Write the missing numbers in the boxes.



2. In this diagram the numbers opposite each other have a difference of 50.
Complete the diagram using these numbers:

180
50
130
160
110



3. Work out the difference between 275 and 624.

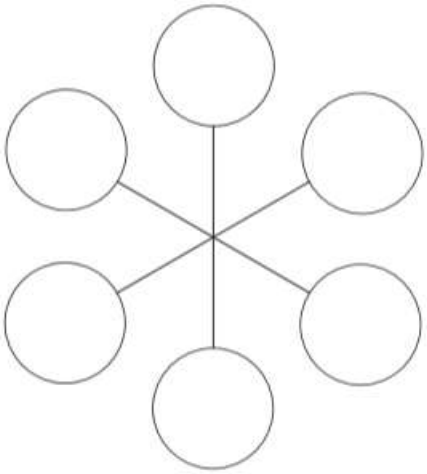
4. Calculate

537 + 326 =

Silver

1. Write one of these numbers in each circle.
The numbers on each line must have a difference of 90.

200
180
90
30
160
110
250



2. Calculate

$818 - 283 =$ ☐

3. Write in the missing digit.

6	3	7	+	2		4	=	9	2	1

4. $97 + 186 -$ ☐ $= 250$

Gold

1.

Write in the missing digits to make the sum correct.

5		6	+		3		=	1	0	0	0

2. There are 1000 counters in a packet.
227 counters are red.
319 counters are blue.
291 counters are yellow.
All the other counters are green.
How many counters are green?

3. Hannah did not read this question carefully and her answer is wrong.

$$\begin{array}{r} 721 \\ -\ 245 \\ \hline 966 \end{array}$$

a) What mistake did she make? _____

_____

b) What is the correct answer? ☐

4. Omar and Tasneem each started with different numbers.
Omar added 145 to his number.
Tasneem subtracted 145 from her number.
They both get the same answer.
Tasneem started with 830.
What number did Omar start with? ☐

Due 30.01.17

Bronze

1. Jamila says she can write four different number sentences with these numbers.

2 14 7

She uses each number once in each sentence. Fill in the boxes to show that Jamila is correct.

□ × □ = □

□ × □ = □

□ ÷ □ = □

□ ÷ □ = □

2. Complete this times table by writing the missing numbers.

×	2	5	10
3	6		30
4	8	20	
8			80

3. Write in the missing numbers.

□ → double → 16 → double → □ → double → 64

4. Work out 78×4.

Silver

1. Write <, > or = in each box to make the number sentences correct.

$120 \square 40 \times 4$

$120 \square 30 \times 3$

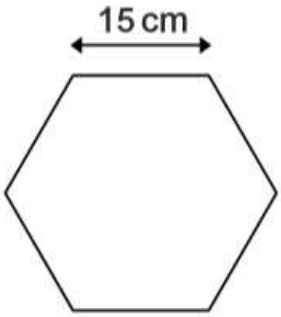
$120 \square 12 \times 10$

2. $96 \times 8 = \square$

3. 27 x 38

4. Each edge of a hexagon measures 15 cm.
What is the total distance around its edges?

$\square$ cm



Gold

1. a) $6 \times 29 = 6 \times 20 + 6 \times \square = 120 + \square = \square$

b) $7 \times 38 = 7 \times \square + 7 \times 8 = 210 + \square = \square$

2. 456 x 67

3. $4 \times 50 \times 60 =$ ☐

4. Jim says that he can make four different number sentences with these numbers.

20 180 9

He uses each number once in each sentence.

What are the four sentences?

Due 06.02.17

Bronze

1. Angles less than a right angle are called **acute**.

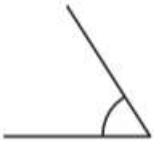
Angles greater than a right angle are called **obtuse**.

Label these angles as A (acute), R (right-angled) or O (obtuse).

angle:

angle:

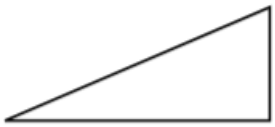
angle:



angle:

angle:

2. Complete the table to show the number of right angles in each shape. One is done for you.

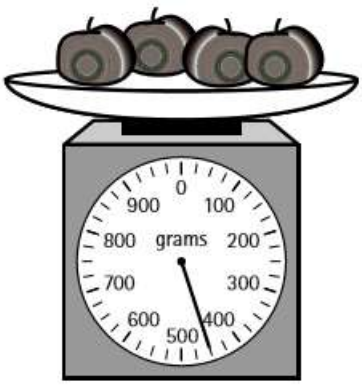
Shape	Number of right angles
	4
	
	

3. Match the measurements to the correct units. One is done for you.

Length of a classroom	kg
Mass of an apple	g
Capacity of an egg cup	km
Distance from London to York	m
Capacity of a bucket	l
	ml

Silver

1. How much do the apples weigh?



g

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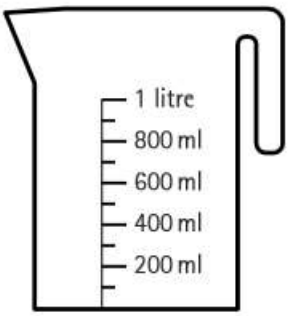
2. Draw a line across the jug to show how full it will be after Dan has poured 100 ml of juice and 600 ml of water into the jug.



3. Using the points on this grid for the corners, draw a shape that has only:

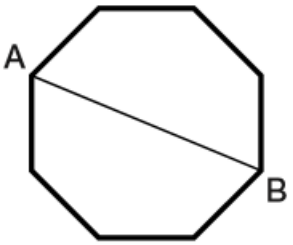
4 sides

1 right angle

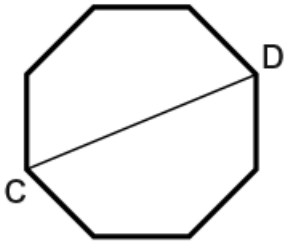
2 equal sides.

4. This is a regular octagon.

a) Join 2 corners to make a line parallel to AB.



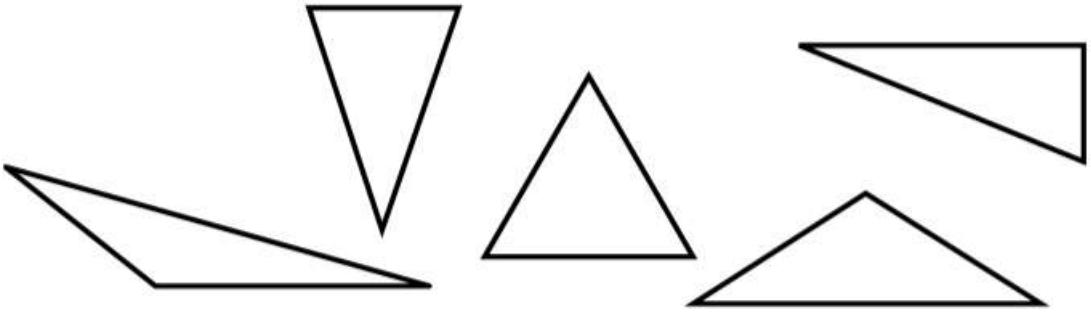
b) Join 2 corners to make a line perpendicular to CD.



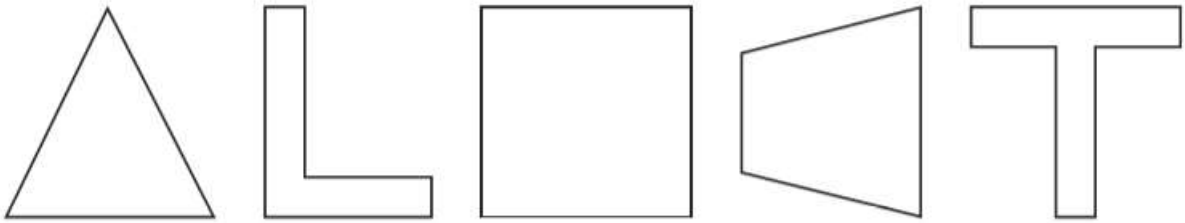
Gold

Write a letter inside each triangle to show what type of triangle it is.

1. E = equilateral I = isosceles S = scalene R = right-angled



2. Circle the shape that is the odd one out.



Explain why.

3. Complete the two sentences to make them true.
Choose from these words.

centimetres metres millimetres

There are 120 [ ] in 12 centimetres.

There are 1000 [ ] in 10 metres.

4. The length of a rectangle is 9 cm.
The width is 4 cm.
What is its perimeter?

Due 13.02.17

1. Complete these sentences.

There are [ ] seconds in one minute.

There are [ ] days in the month of April.

There are [ ] days in a leap year.

2. A TV programme starts at 2:40 p.m. and ends at 3:30 p.m.
How long is the programme?

[ ] minutes

3. There are sixty minutes in one hour.
How many minutes are there between midnight and 7 a.m.? [ ]

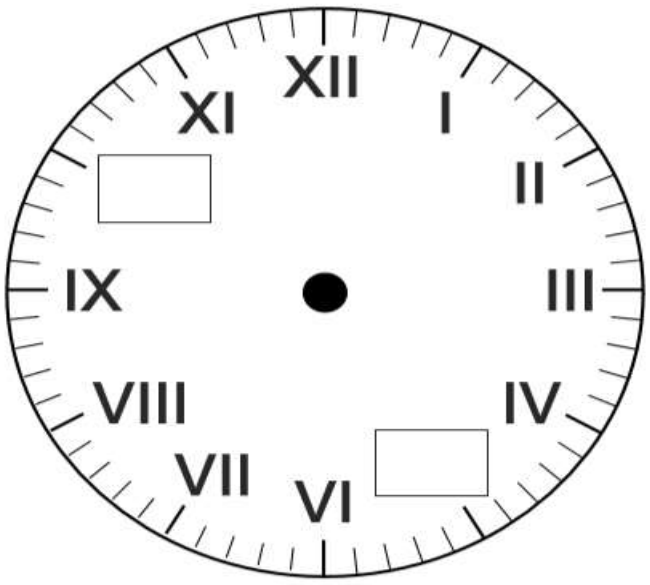
Silver

1. This is Jane's diary for Tuesday.
Complete the table to show how time is recorded on 12-hour and 24-hou clocks.

	Time	12-hour clock	24-hour clock
Get up	8 a.m.	8:00	08:00
Go to school	8.45 a.m.	8:45	
Return from school	4.20 p.m.		16:20
Go to bed		9:30	

2. How many minutes will pass until the clock shows 10:05?

minutes

3. 

a) Complete the numbering on this clock face.

b) Draw hands on the clock to show 10 to 5.

Gold

1.

2012 was a leap year.

In the spring term the half-term holiday started on Monday 27 February.

Pupils returned to school on the next Monday.

On what date did the pupils return to school?

2.

Complete this table.

Digital 12-hr	Digital 24-hr
6:20 a.m.	
	21:15
1:45 p.m.	
	08:30

3.

I go on holiday on a Saturday and return three weeks later on Saturday 5 January.

On what date did I start my holiday?

4.

Draw hands on the clock to show 23 minutes to 5.