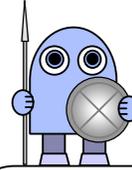


## MATHS CHALLENGE CARDS SET A

### nursery nightmare

The little children at Primrose Hill Nursery are a difficult bunch. Luckily, all you have to do is work out how many children there are. Here's your information :

- a There are no more than 20 children at the nursery.
- b When there are two nursery assistants on duty and they try to put the children into two equal groups, they find that there's one child left over.
- c When there are three assistants and they try to put the children into three equal groups, again they find that there's one child left over . . .
- d . . . and on the rare occasions when there are four assistants on duty and they try to make four equal groups, once again there's just one child left over.



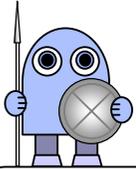
## MATHS CHALLENGE CARDS SET A

### weight for it !

Samantha's mum has just bought some new bathroom scales. When her friend Judy comes round, with her little brother Bill, they all try out the new scales. Here are some results for you :

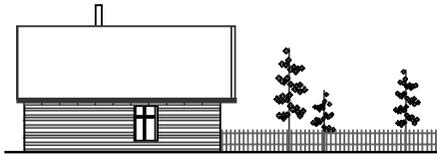
- With Judy and Bill standing on the scales together, the reading is 40kg.
- Bill and Samantha together weigh 60kg.
- Samantha and Judy together send the scales to 80kg.

What would the readings be if Samantha, Bill and Judy weighed themselves separately ?



## MATHS CHALLENGE CARDS SET A

### cows weak



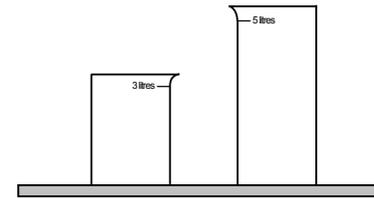
Basil and his brother Guy are both farmers and at the start of one year they have exactly a hundred cows each. Sadly, they're not very healthy specimens (that's the cows, not the brothers) and after a rather bad winter, only seventy-five of Basil's cows are still alive and only forty-seven of Guy's. How many cows should Basil give to Guy so that they have exactly the same number of cows as each other?



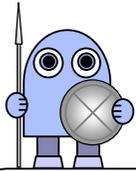
## MATHS CHALLENGE CARDS SET A

### two jugs

Here are two measuring jugs. They are used for measuring out liquids. The larger one is for measuring exactly 5 litres, the other is for measuring exactly 3 litres.



Explain how, using just these two measuring jugs, you could end up with exactly 4 litres of liquid.

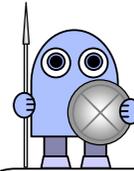


## MATHS CHALLENGE CARDS SET A

### consecutive sums

You know what consecutive numbers are – they're just numbers which follow each other (like 7, 8, 9 or like 23, 24, 25). Here's a small challenge which involves adding up consecutive numbers :

- a Find two consecutive numbers which add up to give 85.
- b Find three consecutive numbers which add up to give 63.
- c Find four consecutive numbers which add up to give 74.



## MATHS CHALLENGE CARDS SET A

### digger ants

- a Jeremy is an ant. Last year he travelled to Australia with his girlfriend Milit and a number of other ants to found a new ant colony. From the beginning the number of ants in the colony doubled every week. It took six weeks altogether for the total population of the colony to reach 16,000. How long did it take to reach 8,000 ?
- b Jeremy and his friends actually arrived in Australia at the start of September. Was it before or after Christmas when the number of ants in the colony reached the 1 million mark?



## MATHS CHALLENGE CARDS SET A

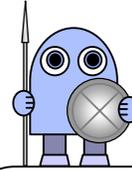
### a mean question

Here are the ages of six children in a playgroup:



Tim	3 yrs 1 mth
Sophie	2 yrs 2 mths
Mary	3 yrs 8 mths
Ben	3 yrs 7 mths
Jake	4 yrs 1 mth
Louise	3 yrs 5 mths

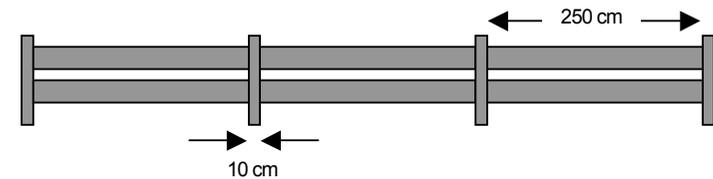
Jake will tell you that he's four years old (his birthday was not all that long ago) but he's really four years and one month old. In the table above you can see the ages of all the children in his playgroup. What do these ages add up to? Don't forget to include the months in your adding-up.



## MATHS CHALLENGE CARDS SET A

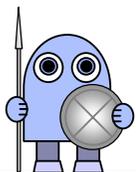
### fencing champions

The Tropardy Brothers are well known for the sturdy fences they supply to farms and other businesses. Here's one type of fence they're often asked for :



Here the fence-posts are 10 cm across and the distance between posts is 250 cm.

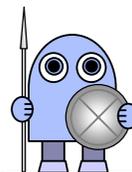
- The picture above shows a simple '3 section' fence. How far is it altogether from end to end?
- What would be the total length from end to end of a '10 section' fence?



## MATHS CHALLENGE CARDS SET A

### 2-digit numbers

- a Write down all the 2-digit numbers where one digit is 8 more than the other; how many are there ?
- b Now write down all the 2-digit numbers where one digit is 7 more than the other; how many are there this time ?
- c What happens with 2-digit numbers where the digits differ by 6 ?



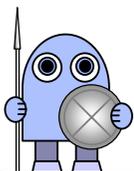
## MATHS CHALLENGE CARDS SET A

### cash transfer

Tom, Ben and Peter are going out for the evening. Tom has £15 in his pocket, Ben has £8 and Peter has £13. As they're all good friends, they decide that it would be fairer if they each had the same amount to spend. What cash transfers will there have to be to achieve this?

At the end of the evening the friends look at what they've got left. Tom has £2, Ben has £6 and Peter has just £1. Once again, they decide they'll share their cash. Who gives and who receives this time – and what are the amounts?

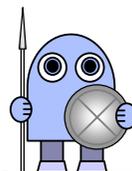
The friends' saying is 'Share and share alike' but have they all been equally lucky this time?



## MATHS CHALLENGE CARDS SET A

### pipe dreams

In his van, Jake the plumber has four pieces of piping; these pieces are 1m, 2m, 4m and 8m long. He's off to install a new pipe in someone's kitchen but he doesn't yet know exactly how long it will need to be. Jake boasts that this doesn't matter – he can make up any length from 1m to 15m by using just one of these pieces or by joining two, three or all four of them together. Is Jake just boasting or can he really do it? Work out how you could use Jake's four pieces to make up different lengths of pipe from 1m to 15m. Remember, there are just these four pieces, so you can't use any length twice! Are there any lengths which can't be made?

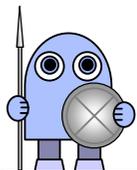


## MATHS CHALLENGE CARDS SET A

### fare enough!

Bill is going to visit his grandmother in the next town. His mother knows that the bus fare is 80p each way and so she gives him exactly £1.60 to cover his travelling expenses. When the bus arrives, Bill jumps on and asks for an 80p ticket, only to be told that 'We don't give change, it's exact fares only on this bus!' Bill is upset and pleads with the driver but in the end he has to get off the bus. Tearfully, he looks down at the four coins in his hand – and walks back home. What are these four coins?

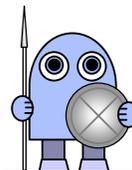
Bill's mother dries his eyes, tells him to cheer up – and sends him off again, this time with eight coins instead of four. With this set of coins, Bill can give the exact fare for each journey. What are the eight coins his mother has given him this time?



## MATHS CHALLENGE CARDS SET A

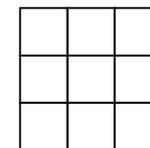
### watch your toes!

The only animals living on Macallan Island are camels and kangaroos. Once a year they all get together for the Macallan Summer Ball. Last year's event was especially good fun! At one time there were exactly the same number of camels and kangaroos dancing and if you'd bothered to count how many feet there were on the dance-floor just then, you'd have got 42 altogether. Using this information, can you work out how many camels were dancing and how many kangaroos?

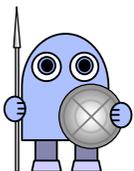


## MATHS CHALLENGE CARDS SET A

### prime totals



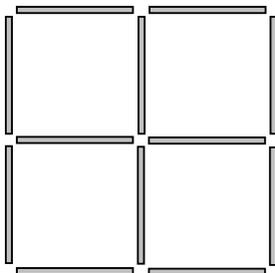
Draw a 3 x 3 grid like the one above and then find a way of placing numbers on the grid so that each row total and each column total is a prime number. You must choose your numbers from the set 1, 2, 3 . . . 9 and every number must be used once and once only.



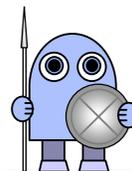
## MATHS CHALLENGE CARDS SET A

### matchstick squares

Take 12 matchsticks and arrange them like this :



- Find a way of removing 2 matchsticks to leave you with exactly three small squares. (This is easy).
- Now find a way of removing 2 matchsticks to leave you with exactly two squares. (This is a bit harder.)



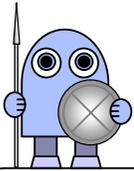
## MATHS CHALLENGE CARDS SET A

### special sets

2	3	4	5
7	9	10	15
21	25	28	49

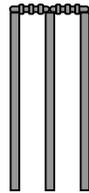
Look at the set of numbers above. This problem is about descriptions which you can apply to some numbers in the set but not to others. For example, the description **prime number** applies to just four of the numbers: 2, 3, 5 and 7

Now try to find **five** more descriptions like this. Each time you're looking for a description which applies to four numbers in the set but not to any others.

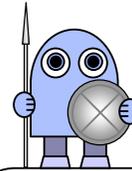


## MATHS CHALLENGE CARDS SET A

### make your mind up !



An uncle gave Basil an old cricket bat – which Basil then sold to another boy for £20. A week later he needed a cricket bat so he bought the old one back again, this time for £15. A few weeks after this, Basil was able to sell the bat for £40. Altogether, from start to finish, how much money did Basil make?

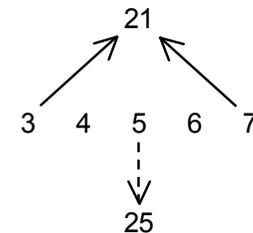


## MATHS CHALLENGE CARDS SET A

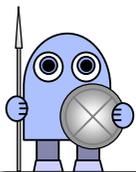
### five at a time

Choose any five consecutive numbers and then multiply the first and the last numbers together. After this, square the middle number. Now look at your two answers.

For example, if you chose 3, 4, 5, 6, 7 as your numbers, you'd get 21 and 25 as your answers. You could show your results on a diagram like this :



Now do the same thing with some other sets of five numbers (you could start with 1, 2, 3, 4, 5) and look for a pattern in your results. Next, use this pattern to say (without multiplying it out) what  $18 \times 22$  would be.



## MATHS CHALLENGE CARDS SET A

### missing numbers

Here are some additions and subtractions. Copy each one and then work out what the missing numbers must be.

$$\begin{array}{r} 4 \ 2 \ 3 \\ \square \ 5 \ \square \\ + \ 1 \ \square \ 7 \\ \hline 1 \ 5 \ 1 \ 0 \end{array}$$

$$\begin{array}{r} 9 \ 0 \ 9 \\ 6 \ 8 \ \square \\ + \ 4 \ \square \ 3 \\ \hline \square \ 0 \ 1 \ 2 \end{array}$$

$$\begin{array}{r} 5 \ 8 \ 4 \\ 3 \ 9 \ \square \\ + \ \square \ 6 \ 7 \\ \hline 1 \ 0 \ \square \ 2 \end{array}$$

$$\begin{array}{r} 4 \ \square \ 1 \\ - \ 2 \ 3 \ 6 \\ \hline \square \ 5 \ 5 \end{array}$$

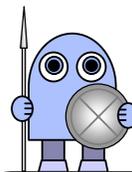
$$\begin{array}{r} 9 \ 2 \ \square \\ - \ 4 \ 2 \ 1 \\ \hline 4 \ \square \ 9 \end{array}$$

$$\begin{array}{r} 4 \ \square \ 3 \\ - \ \square \ 0 \ 2 \\ \hline 2 \ 1 \ 1 \end{array}$$

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

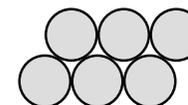
$$\begin{array}{r} 4 \ 9 \ \square \\ \square \ 2 \ 1 \\ + \ 6 \ 7 \ 9 \\ \hline 1 \ 4 \ \square \ 8 \end{array}$$

$$\begin{array}{r} 3 \ 9 \ \square \\ 6 \ 8 \ 7 \\ + \ 4 \ \square \ 8 \\ \hline \square \ 5 \ 1 \ 6 \end{array}$$

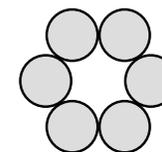


## MATHS CHALLENGE CARDS SET A

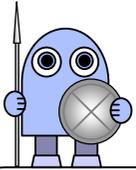
### counter move



First of all, get 6 counters of the same kind and arrange them in a shape like the one above. Can you find a way of moving just three of the coins so that you end up with the shape beneath?

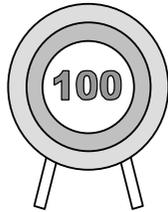


- ⇒ You may only **slide** counters to their new positions (no picking them up!)
- ⇒ After being moved, a counter must be touching at least two other counters.



## MATHS CHALLENGE CARDS SET A

### target 100



Look at this set of whole numbers :

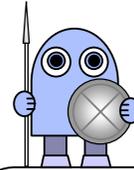
**7 6 5 4 3 2 1**

If you put some + signs in and then do the adding up, you'll get a certain total. For example, here's a way of getting 154 using three + signs

$$76 + 54 + 3 + 21 = 154$$

By choosing how many + signs to use and where to place them, you can get lots of different totals. But – can you find a way of doing this to give you exactly 100?

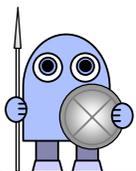
**NOTE** You must keep the numbers in the same order!



## MATHS CHALLENGE CARDS SET A

### what were they thinking of ?

- a Sarah thought of a number. She halved it and multiplied the result by 3, getting the answer  $7\frac{1}{2}$ . What was the number she first thought of?
- b Michael thought of a number. He found its square root, which he then doubled. This gave him the answer 16. What was the number he thought of in the first place?
- c Jeremy thought of a number. He multiplied it by 7, added 7 and then found the square root. His answer was 7. What was his original number?
- d Roger thought of two numbers. He doubled the first number and added it to the second one, getting 11. Then he doubled the second number and added it to the first one, getting 13. What were his two numbers?

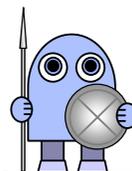


## MATHS CHALLENGE CARDS SET A

### sandwich numbers

Along Jubilee Wharf all the houses face the river and so they're numbered consecutively 1, 2, 3, 4, 5 . . . and so on, up to 100. The Smart family moves into number 10 Jubilee Wharf on New Year's Day and Sophie points out to her mum and dad that their address is rather special – they're sandwiched between a square number (that's 9) and a prime number (that's 11).

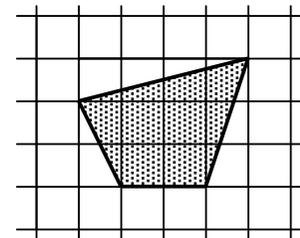
Sophie calls 10 a 'sandwich number' – and she wonders how many of the other front door numbers along Jubilee Wharf are 'sandwich numbers' (with a prime number on one side and a square number on the other). How many of these numbers can you find and what are they?



## MATHS CHALLENGE CARDS SET A

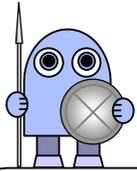
### tessellating quadrilaterals

Can you make a tessellation with scalene quadrilaterals? If you ask people, a lot of them would say straight away that you can't – but perhaps a better idea is to try it out for yourself. First of all, using square grid paper, draw this scalene quadrilateral :



Now, keep experimenting until you've found a way of using this quadrilateral for tessellating. Once you've done this, try again with a different scalene quadrilateral of your own.

\* *scalene quadrilateral = sides and angles all different*



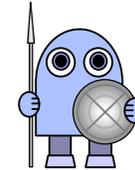
## MATHS CHALLENGE CARDS SET A

### quadrilaterals

Copy this table carefully and then for each type of quadrilateral put ✓ or ✗ to show which things are true :

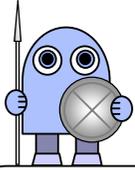
	scalene	kite	rhombus	trapezium	parallelogram	rectangle	square
opposite sides are same length	✗	✗	✓	✗	✓	✓	✓
opposite angles are same size							
diagonals are same length							
diagonals bisect each other *							
has rotational symmetry							
has bilateral symmetry							

\* bisect each other = cut each other in half



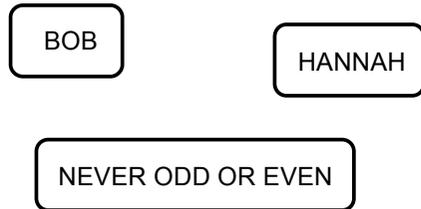
## MATHS CHALLENGE CARDS SET A

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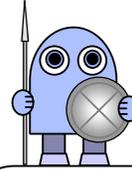
## MATHS CHALLENGE CARDS SET A

### back to the future



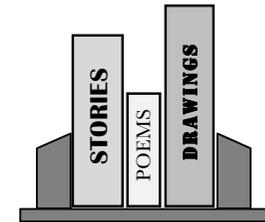
A *palindrome* is a word or phrase which reads the same from each direction, like the ones here. If you watch a digital clock, you'll see that some of the times it shows are palindromes, like **03 : 30** or **14 : 41** (they read the same each way !)

Now think of all the times a digital clock will show between mid-day and midnight. Write down the ones which are palindromes. (You may include midnight itself, which is of course **00 : 00**)

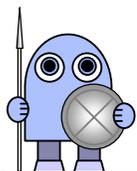


## MATHS CHALLENGE CARDS SET A

### shelf-life

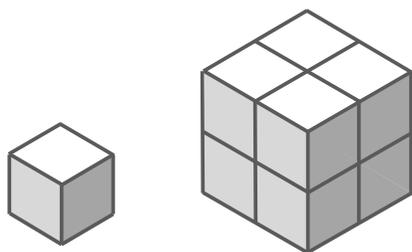


Jenny writes stories and poems – and she does drawings too ! You can see above how she keeps her three notebooks on the shelf - always in the same order ! Of course, she could put them on the shelf in a different order if she wanted to. Altogether, how many different ways are there of arranging these three books ? See if you can list them.



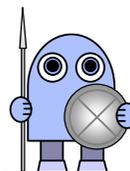
## MATHS CHALLENGE CARDS SET A

### cubes stick together !



Owen takes 8 small cubes, like the one on the left, and glues them together to make a larger cube.

- How many of the small cube faces now have glue on them ?
- How many of the small cube faces now don't have glue on them ?



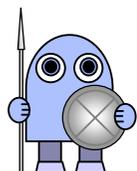
## MATHS CHALLENGE CARDS SET A

### shirt alert !



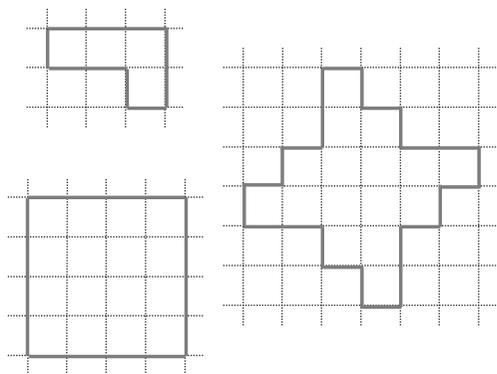
- Andy was given a football shirt as a birthday present – but Andy didn't really like the shirt, so he sold it to Ben, charging him £30 for it.
- Some time later, Josh bought the shirt from Ben for £14 less than Ben had paid for it.
- When Josh got tired of the shirt, he sold it to Gavin – for three times the amount he himself had paid for it !

Who got the most money out of these shirt sales ?



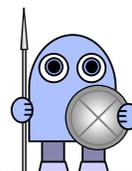
## MATHS CHALLENGE CARDS SET A

### L-shaped room



Look at the 'L' shape above (on the left) – as you can see, it's made up of four squares. Using only squared paper and pen / pencil, see if you can :

- Find a way of fitting four of the L-shapes into the  $4 \times 4$  square shown on the left.
- Find a way of fitting four of the L-shapes into the figure shown on the right.



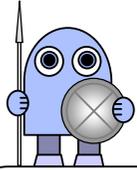
## MATHS CHALLENGE CARDS SET A

### guess my number !

27<sup>1</sup>439

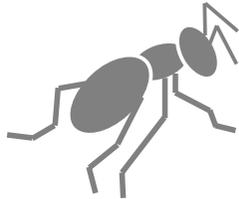
Three children each think of a number . . .

- If you take Kate's number away from 20 and multiply the answer by 3, you get 36. What is Kate's number ?
- If you multiply Ewan's number by itself and take the result away from 100, once again you get 36. What is Ewan's number ?
- Jack also thinks of a number – it's a prime number and it's his age ! If you multiply this number by itself and then add the result to the original number, you get 30. What is the number Jack has thought of ?

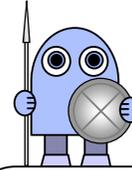


## MATHS CHALLENGE CARDS SET A

### shape up !

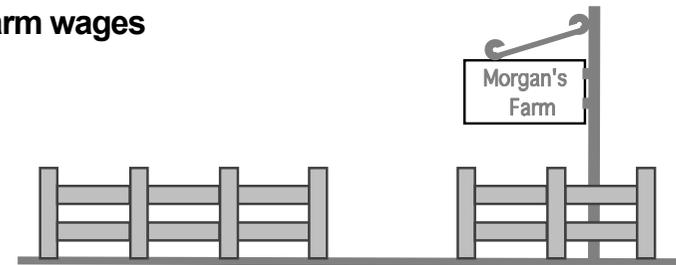


- a Can you think of a shape which has three points (A, B and C) all the same distance from each other ?
- b Can you think of a shape which has four points (K, L, M and N) all the same distance from each other ?
- c Simon is an ant. He's walking along a path in the sand and as he walks along he notices that however far he walks, he's always the same distance away from a certain pebble. What's the shape of the path Simon is walking along and where is the pebble ?



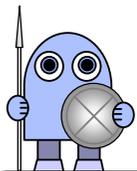
## MATHS CHALLENGE CARDS SET A

### farm wages



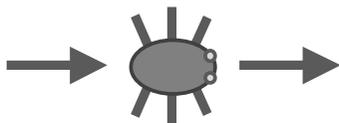
Mr Morgan takes on two men to help him with the harvest. He tells Ed he will pay him £1 for the first day, £2 for the second day, £4 for the third day, and so on (so Ed's pay doubles every day). He tells Will that he'll pay him £9 for the first day, £12 for the second day, £15 for the third day, and so on (so Will's pay goes up by £3 every day).

- If Mr Morgan employs the two men for 6 days' work, who earns more ?
- How would things change if there were 7 day's work ?



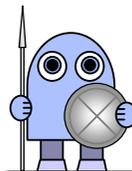
## MATHS CHALLENGE CARDS SET A

### with the beetles



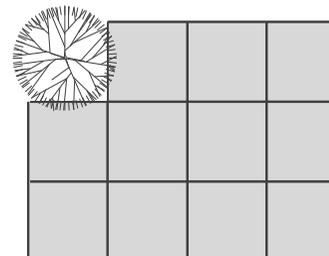
Martin is a scientist who studies beetles. One day he decides to measure how fast some beetles move.

- a The first beetle takes 15 seconds to walk 3 cm.  
Going at the same speed, how long would this beetle travel in 10 minutes ?
- b The second beetle takes 45 seconds to walk 12 cm.  
Going at the same speed, how long would this beetle travel in 15 minutes ?



## MATHS CHALLENGE CARDS SET A

### vegetable patch



Here's a plan of Mr Green's vegetable patch. As you can see, he's marked it out into 11 different metre squares.

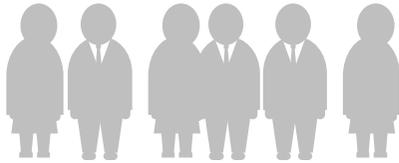
Mr Green has three children : John, Mary and Peter.

Copy the plan and show one way of dividing up the patch so that Peter has twice as much garden as Mary and three times as much garden as John.



## MATHS CHALLENGE CARDS SET A

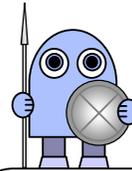
### left-overs



At Monday's science lesson, Mr Hooke decides to get his pupils working in groups. There are fewer than 20 in the class, by the way. This is what Mr Hooke finds :

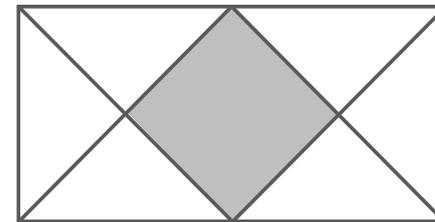
- If he divides the pupils into groups of 2, there's 1 pupil left over.
- If he divides the pupils into groups of 3, there are 2 pupils left over.
- If he divides the pupils into groups of 4, there are 3 pupils left over.

How many pupils are there in Mr Hooke's class ?



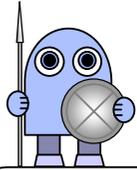
## MATHS CHALLENGE CARDS SET A

### the shaded square



The area of this whole rectangle is  $32 \text{ cm}^2$ .

- a What's the area of the shaded square ?
- b How long are the sides of the whole rectangle ?

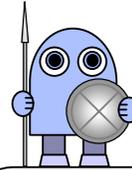


## MATHS CHALLENGE CARDS SET A

### Felix at the seaside



Felix went to a seaside town for the day. He spent one third of his time there just wandering round the shops and half of his remaining time at the beach. The last two hours he spent at a fine sea-food restaurant. How long altogether was Felix at the seaside ?



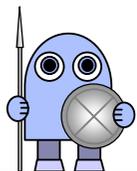
## MATHS CHALLENGE CARDS SET A

### following on



Work out what the missing number should be in each of these sequences (there's a different pattern in each one) :

- a** 5, 6, 8, 11, , 20, 26
- b** 32, 16, 8, 4, 2, 1,
- c** 3, 4, 7, , 18, 29, 47
- d** 81, 64, 49, , 25, 16



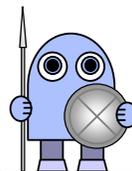
## MATHS CHALLENGE CARDS SET A

### mule express

Pedro lives in South America and he owns a mule. Pedro regularly uses his mule to take parcels over the mountain to the next village. The mule carries two large baskets, one on each side. One day, Pedro finds he has eight parcels to deliver. Here they are, with the weight (in kilograms) shown on each one :

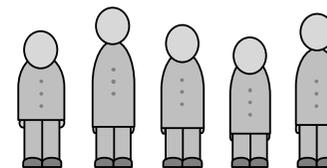


Work out a way of arranging the parcels into two groups so that the mule carries the same total weight in each basket. Next, see if you can find a completely different way of arranging the parcels into two groups of equal weight.



## MATHS CHALLENGE CARDS SET A

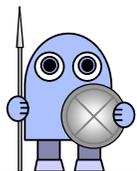
### Q for quality



At Rosemead School lunch-time is coming to an end. There are just five children standing in the dining-room queue; they are Peter, Quentin, Rachel, Sue and Tim. Here's some information about who is standing where :

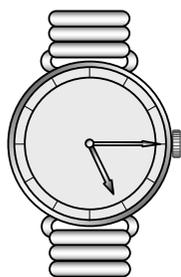
- Peter has three others in front of him.
- Sue is between Tim and Quentin.
- Quentin and Rachel are the two children who are furthest apart.

Work out the order of these five children in the queue.



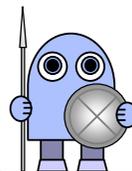
## MATHS CHALLENGE CARDS SET A

passing the time . . .



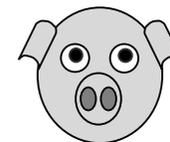
Justin looks at this watch – it's exactly quarter past five. His long train journey to Glasgow has just begun. If the train is on time, it will be exactly 11 o'clock when he arrives.

During this journey, how many times will the minute hand on Justin's watch go past the hour hand?



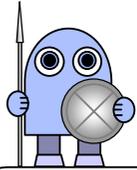
## MATHS CHALLENGE CARDS SET A

weigh the pig !



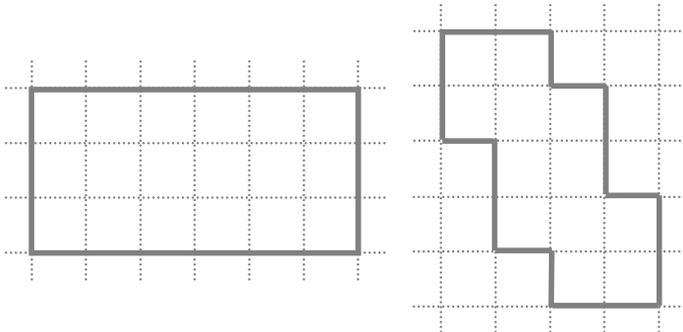
Tom goes to the pig market one day to buy extra pigs for his farm. Each pig has its weight marked on a label. Some of the weights are given in kilograms and some are given in pounds – which is a bit confusing ! But Tom knows that 10 kilograms is roughly the same as 22 pounds.

- a The first pig Tom looks at is a little one. His label says 15 kilograms. What's that in pounds ?
- b The second pig Tom looks at is much bigger. His label says 77 pounds. What's that in kilograms ?



## MATHS CHALLENGE CARDS SET A

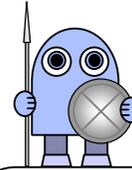
**divide the area !**



On squared paper, copy shape 1 and shape 2.

Then, using only grid points (points where the lines of the paper cross) :

- 1 Draw a line to cut shape 1 into two parts so that one part has double the area of the other part.
- 2 Draw a line to cut shape 2 into two parts so that one part has double the area of the other part.



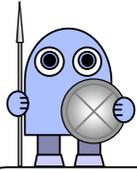
## MATHS CHALLENGE CARDS SET A

**it's a family show !**



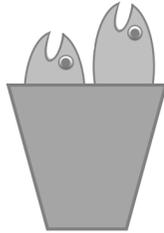
Every year, the people of Longton in Somerset put on a special Christmas Show. Tickets for the Show cost £7 for adults and just £3 for children.

- a It costs the Brown family £16 altogether for their tickets. How many adults and how many children are there in the Brown family ?
- b It costs the Watsons £23 altogether for their tickets. How many adults and how many children are there in the Watson family ?



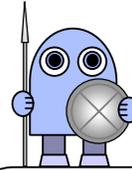
## MATHS CHALLENGE CARDS SET A

### trout-numbered !



Simon and Tim are two brothers who like fishing. One day they set off for a quiet place they know, where the stream is often teeming with trout. They're planning to sell their catch to a local fish shop. The brothers spend the day fishing and in the end they find that they have caught 16 trout altogether – although Simon has caught quite a few more than Tim. To make things fair, Simon gives Tim one-third of the trout he's caught – and then they have exactly the same number.

How many trout did Tim catch in the first place ?



## MATHS CHALLENGE CARDS SET A

### guess my rule !

Emma has a rule for changing numbers. Here are some examples :

$$5 \longrightarrow 25$$

$$3 \longrightarrow 41$$

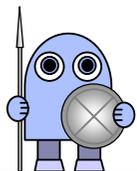
$$7 \longrightarrow 1$$

$$2 \longrightarrow 46$$

$$6 \longrightarrow 14$$

$$1 \longrightarrow 49$$

Can you guess what Emma's rule is ? (She's using the same rule each time.) If you think you know the pattern, write down what would happen to 4 with Emma's rule.



## MATHS CHALLENGE CARDS SET A

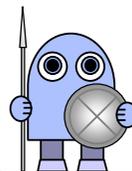
### small farm



Ivan and his brother run a small farm. Here's some information about the animals on the farm :

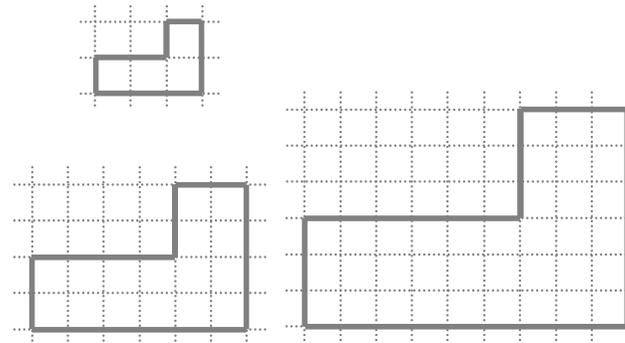
- a There are 4 more pigs than sheep.
- b There are just as many pigs as there are cows and sheep put together.
- c There are 14 animals in all.

How many sheep are there on the farm ?



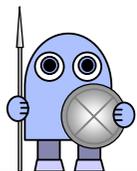
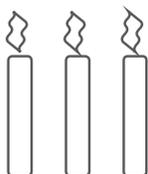
## MATHS CHALLENGE CARDS SET A

### alphabet tiles

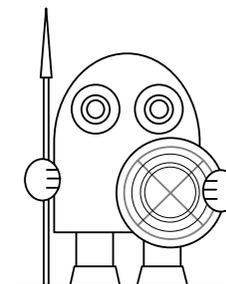


Look at the small L-shape here (at the top) – as you can see, it's made up of four squares. Using only squared paper and pen / pencil, see if you can :

- a Find a way of fitting four of these small L-shapes into the larger L-shape shown on the left.
- b Find a way of fitting nine of these small L-shapes into the larger L-shape shown on the right.

**count the candles !**

- Mrs Jones has two children – Ben and Sally.
  - Sally is 1 year older than Ben.
  - Last year, Mrs Jones bought a box of 12 candles – to put on her children’s birthday cakes.
  - Mrs Jones used some of the candles last year – and the rest of them this year. (So that’s four birthday cakes she’s used them for !)
- a** How old was Sally this year ?
- b** How many candles will be needed next year ?



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