

# Learning with Landy

## Reclamation Yard



### Jack and Landy visit the Yard

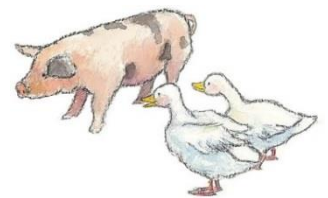
Jack lives in a blue wooden house in a big garden.

His home is call Lowenfields.

He has made a vegetable garden and he has an orchard, where apple trees grow. Jack likes working outdoors; chopping wood, digging the soil, planting flowers and vegetables and fixing things.

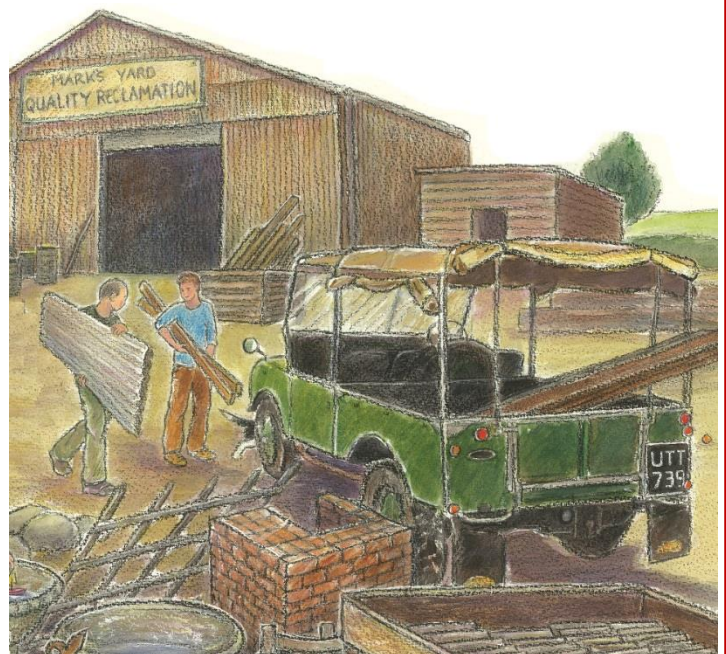


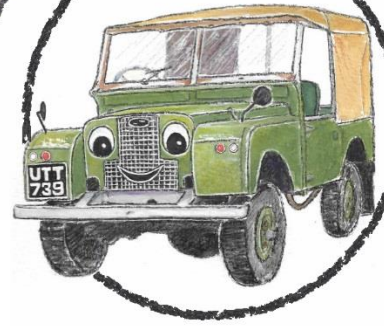
Now Landy has come to live with him, Jack has decided to get some animals so they can have a little farm - this is called a **smallholding**.



First Jack and Landy drive to Mark's Reclamation Yard to buy some wood and corrugated iron, to make houses for the animals.

Mark sells timber, stone, old gates, beams, bricks, doors and all kinds of other things that come from old buildings that have been pulled down. When you break up a building it is called **demolition**.





## Mark's Reclamation Yard

Here are some of the building materials at the yard.

Can you find their matching properties?

Put the correct numbers in the circles:



Stone:

1. Grey metal, light, strong, wavy surface, bendable, waterproof.



Wooden beams:

2. Different colours, kiln baked clay, cylinder shape, heat resistant.



Red Bricks:

3. Hard, strong, used for walls, rock gardens and making statues.



Corrugated iron:

4. Very strong can take heavy loads, made from trees, can be cut into all sizes.



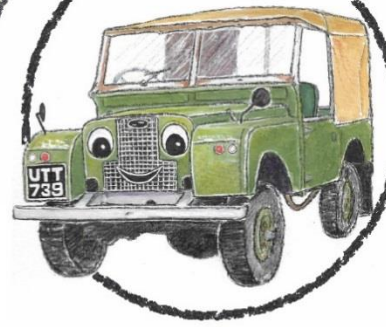
Chimney pots:

5. Rectangular, kiln fired clay, heavy and strong, smooth sides. Used for building for walls.



# Learning with Landy

MARK'S YARD  
QUALITY RECLAMATION



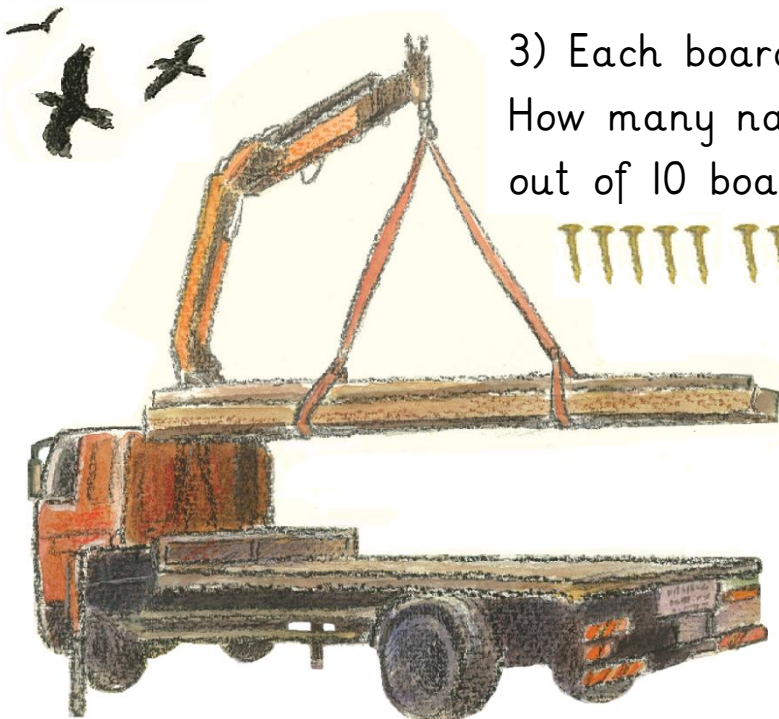
Can you help Mark at his yard?

Mark has a big Hiab lorry. The Hiab crane helps lift and move very heavy loads, on and off the lorry.

- 1) Mark ties 4 long timbers to the straps of the crane and puts them on the lorry. Then he loads a crate of 60 bricks and then 2 gate posts. How many items is he going to deliver?



- 2) A big factory is being demolished. Mark goes to buy all the old wooden floorboards. He can take a quarter of the boards on one trip. How many trips does he have to make?



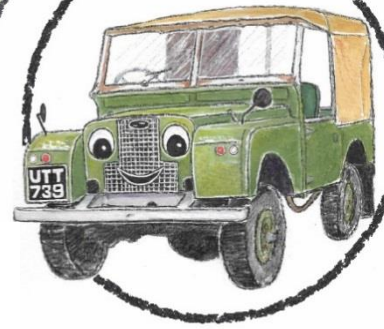
- 3) Each board has 15 old nails in them. How many nails does Mark need to take out of 10 boards?



- 4) When Mark looks through a crate of 100 tiles, he finds 30 are broken! How many good ones does he have left?

# Learning with Landy

MARKS YARD  
QUALITY RECLAMATION



Can you help Mark at his yard?

5) 10 red bricks each have 6 sides to them. How many sides where there altogether?

6) Katy wants to build a 3 metre long stone wall in her garden. Mark says she'll need 40 big stones for each metre. How many stones does she need to buy?



7) Beth and Matt are wanting to buy 1 chimney pot, an old birdbath, 2 iron gates, 12 sheets of corrugated iron and 6 beams. How many items altogether do they buy from Mark?



8) There are 15 planks of wood in the back of Landy. Jack puts in 12 more and 5 sheets of corrugated iron. Then he takes out 3 planks. How many items are they taking home?

9) There are 16 crates, 8 fence posts and 24 paving slabs on the Hiab lorry. Mark drops off 7 crates and 14 slabs at James' farm. What is left on the lorry?  crates  posts  slabs

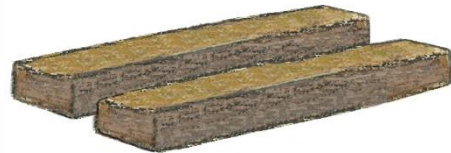


## Counting Money

1) 4 bricks cost £8. How much does one cost?

2) 5 tiles cost £25. How much does one tile cost?

3) One gatepost costs £20. How much do 4 gate posts cost?



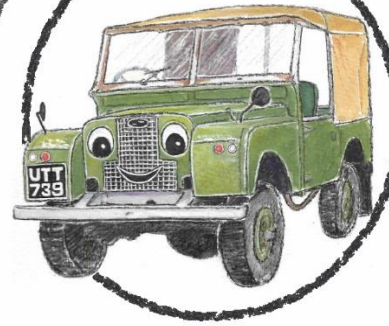
4) Matt bought some stones for £75. He gave Mark two £50 notes. How much change did Matt get back?



5) Dan bought a fence for £100, some slates for £260 and a wooden gate for £70. How much did he give Mark?

That afternoon, Mark used some of this money to buy five old window frames for £50. How much money did he have left?





## Counting Money

6) A chimney pot costs £28. Mark finds a chip on it, so he says Joe can have it for half price. How much did Joe pay for it?



7) The lorry needs two new tyres that cost £400 each. It also needs a new wing mirror which costs £95. How much does Mark have to spend?

8) The lorry's left-hand wing mirror hit something as Mark was driving along.

What do you think he could have hit that broke it?

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**Interesting fact:** When lorry drivers go on long trips to deliver goods, it's important that they don't drive when they are tired as this can cause bad accidents. Behind the seats in Mark's lorry is a bed, so he has what is called a 'sleeper cab'. He can pull into a layby on the side of the road, or at a service station, and have a sleep.



## Answers

### Properties:

- 1) Stone 3      2) Wooden beams 4      3) Red bricks 5  
4) Corrugated iron 1      5) Chimney pots 2

### Helping Mark:

- 2) 66 items      2) 4 trips      3) 150 nails  
3) 70 tiles      5) 60 sides      6)  $3 \times 40$  stones = 120  
7) 22 items      8) 29 items  
9) 9 crates      8 fence posts      10 paving slabs

### Counting Money:

- 1) £2      2) £5 each      3) £80  
4) £25 change      5)  $£430 - £50 = £380$  left  
6) £14      7) £895

8) If the left-hand wing mirror hit something it could have been a tree branch, a building or a parked vehicle. It wouldn't have been a moving vehicle, as that would have hit the right-hand mirror.

