



The farm tractor


Activities and puzzles
for 5 - 7 year olds





Welcome to the tractor puzzle book

Tractors are fantastic machines. They help make difficult jobs easy and long jobs short. They can pull and push heavy loads, carry lots of things like bales of hay and fertiliser and do everything from ploughing the soil, sowing the seeds and harvesting the crops. A really useful machine!



Just think how long it would take the farmer and his helpers to plough the fields and sow the seeds if they didn't have a tractor to help them out! With so many jobs to do, the tractor can save a lot of time.

Some jobs would be far too difficult, or even impossible, to do without a tractor.

Being such a useful machine, the tractor likes to be looked after. It needs to be oiled, filled with fuel, have air pumped into its tyres and the windscreen kept clean! And, if it needs fixing, there is always the tractor mechanic to make sure everything works properly.

Have fun!

Tractorman

Spring



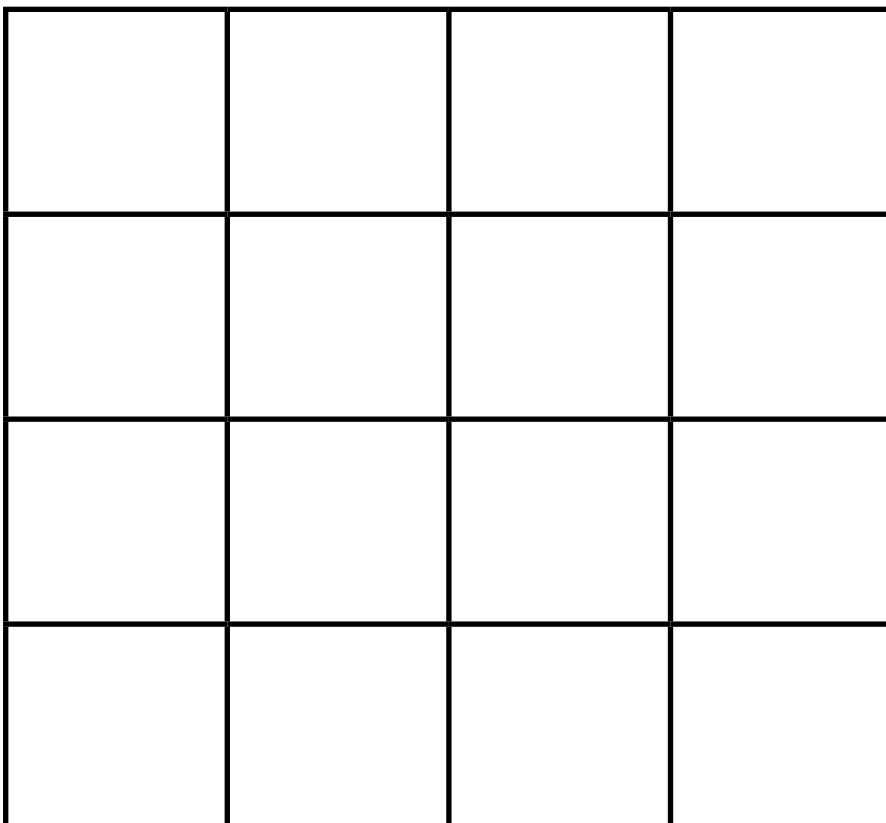
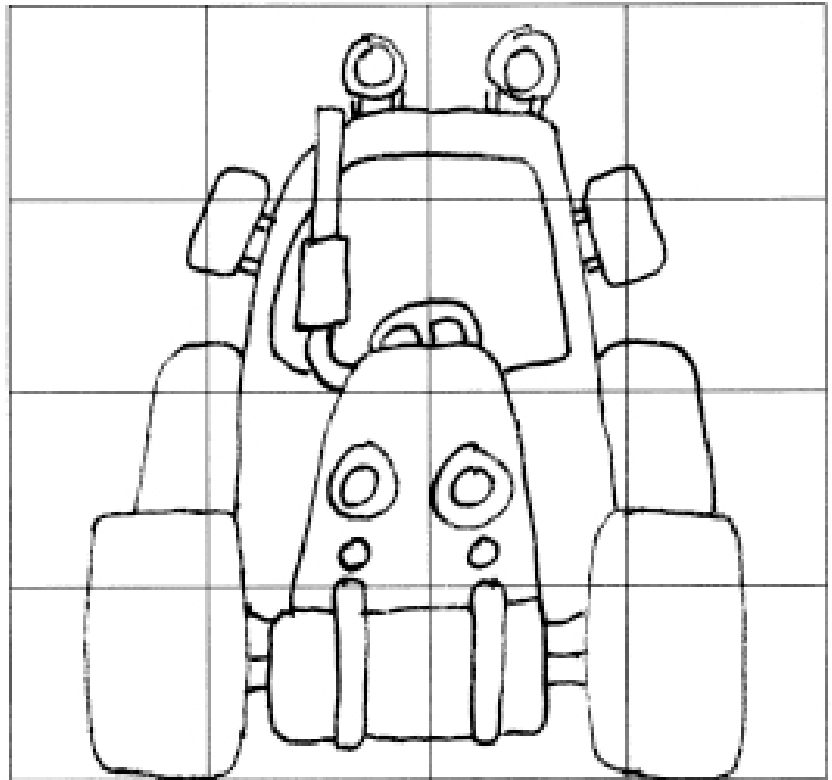
Spring is a very busy season for tractors. It's now the time to plough the fields ready for sowing spring crops and spread fertiliser to help the seeds grow. There are fences to check and repair, make sure that all the farm gates work properly and that all the hinges are oiled.

With so much to do it's important to check that the tractor is ready for all the hard work. The engine needs plenty of oil, the cooling system needs water and the tyres need air!

The copycat tractor

Can you draw a picture of the tractor? Copy the contents of each square very carefully into the squares below to make a perfect copy!

Why don't you colour your picture when you have finished?



Whoops

The farmer is ready to start work ploughing the top field. Before he can begin, the farmer needs to take a few things with him. See if you can help him find the items he needs from the grid below. Some words are written forwards or backwards, up or down, or diagonally, but always in a straight line.

e	h	t	f	l	a	s	k	b	x	s	a
g	a	f	o	d	y	h	z	y	q	i	f
h	d	s	r	e	r	l	d	o	g	w	d
d	t	w	k	f	r	a	q	b	q	r	t
h	m	o	b	i	l	e	p	h	o	n	
c	s	f	o	h	f	w	n	c	k	j	f
r	w	f	y	i	h	u	q	n	f	y	x
o	d	d	n	q	e	t	r	u	a	t	y
t	a	k	s	p	o	o	n	l	n	p	m
b	r	e	v	i	r	d	w	e	r	c	s

flask

keys

spanner

dog

spoon

screwdriver

lunchbox

torch

hat

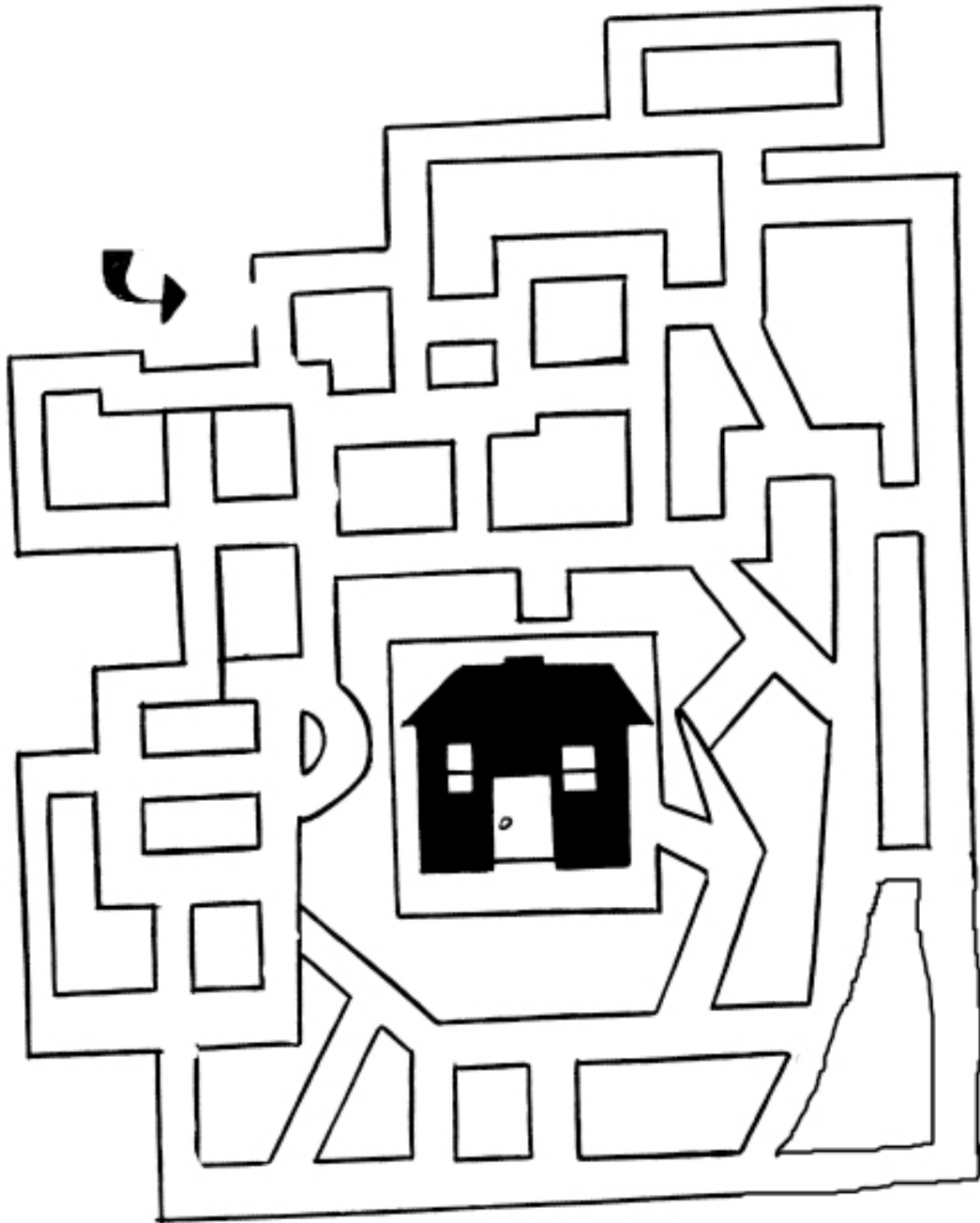
fork

knife

mobilephone

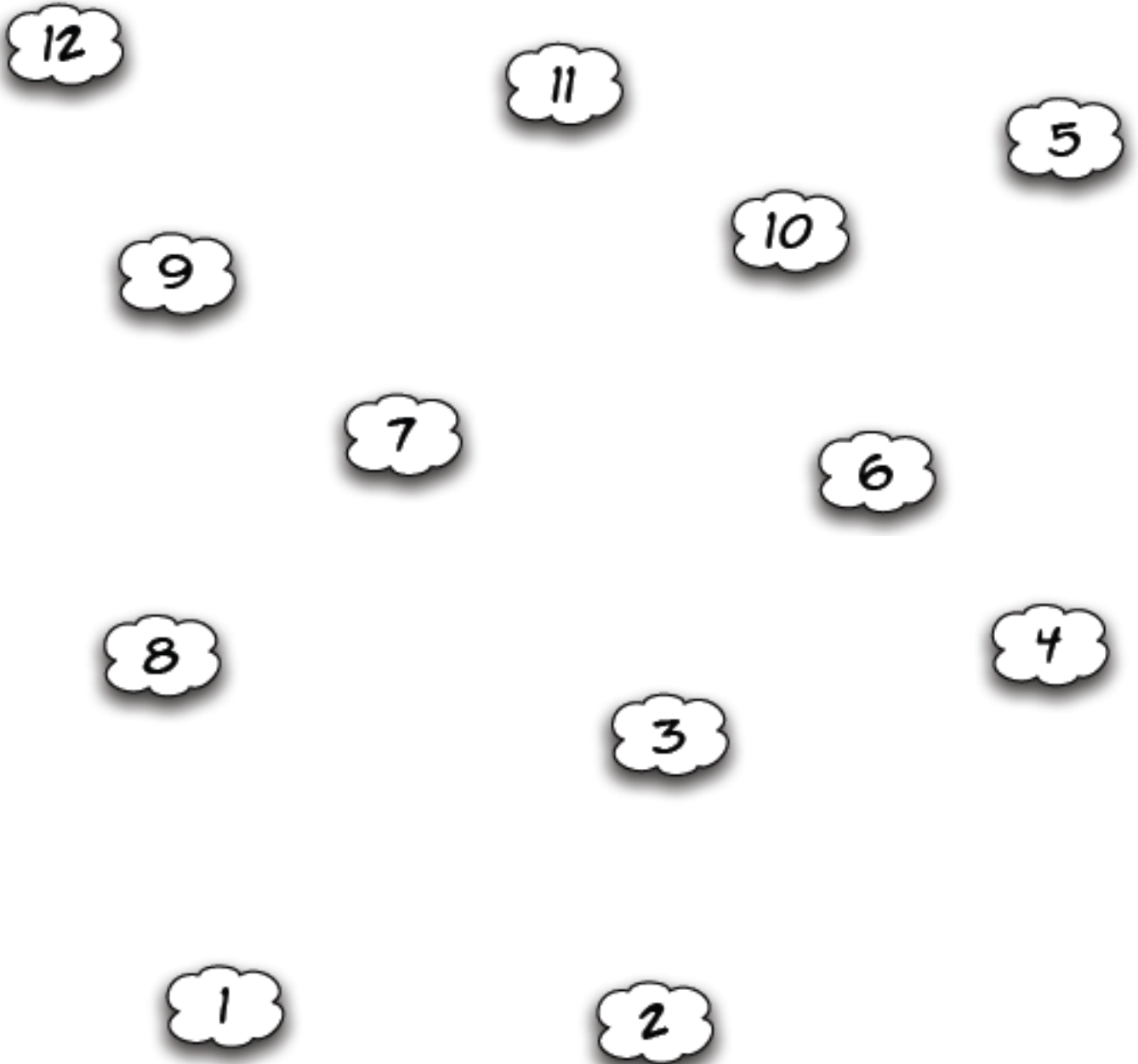
To the fields

The farmer has ordered some seed ready to sow in the fields. The delivery truck driver has just phoned to say he can't find the farm!
Try and guide the driver through the maze and to the farm..



Around the trees

There are lots of trees in the top field. Why not try and guide the farmer and his tractor around the trees using arrows and the words: north, south, east and west? You must start at the first tree (number 1) and finish at the last tree (number 12).



Odd one out

Here are some pictures of vehicles you might see on a farm. See if you can spot which vehicle is the odd one out.

A



B



C



D



E



F



H



I



G



J



Did you spot which vehicle might have been used on a farm a long time ago?!

Mix up

The farmer is trying to sort out which seeds he needs to sow next. Unfortunately, the labels have been mixed up. Can you help the farmer sort out the labels?

apttoo

toa

labryne

thewa

yer

sagrs

lioedes pear

--- ----- -----

It's in the code

Just when everything is so busy, the farmer has just been given an urgent message. Can you work out what it is?

20 3 6 20 18 10 8 20 15 18

— — — — — — — — — —

3 10 5 9 18 15 11 6 14

— — — — — — — — — —

7 15 23 14

— — — — —

The code

a b c d e f g h i j k l m n

10 9 8 7 6 5 4 3 2 1 11 12 13 14

o p q r s t u v w x y z

15 16 17 18 19 20 21 22 23 24 25 26

Summer



The summer months are the busiest time of the year for the tractor. The tractor is involved in lots of important jobs such as cutting hay, helping the combine harvester to gather the corn, trimming hedges and verges, spreading manure and generally making itself a really useful machine!

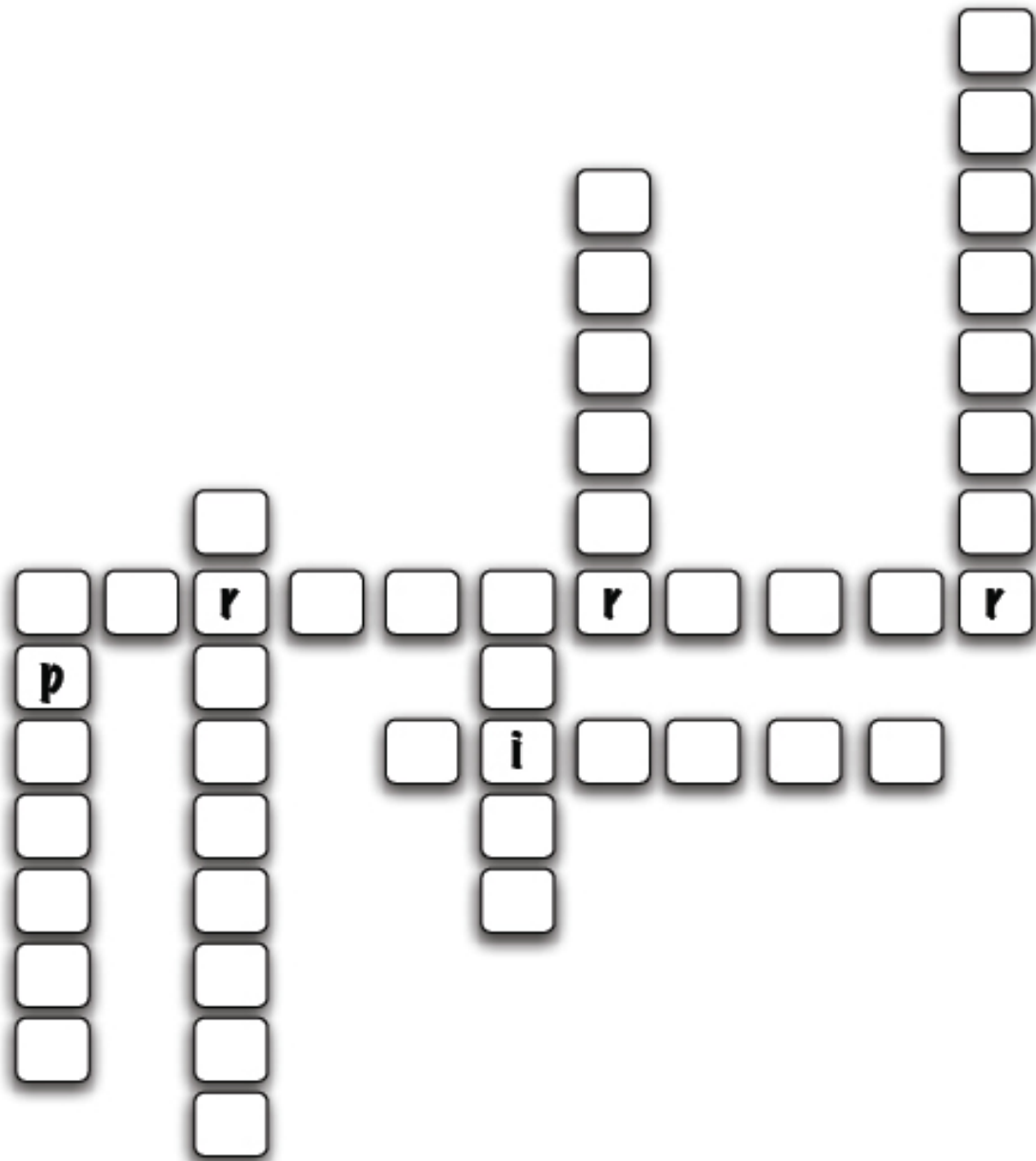
Toolbox crossword

The tractor mechanic has arrived. Try and help him find some important items from his toolbox. You need to place the names of the tools into the grid below. To help you, some letters have been placed in their correct position.

oilcan
screwdriver

spanner
computer

hammer
greasegun



In a muddle

The tractor mechanic needs to check several items on the tractor to make sure that they are working properly. Can you unscramble the words to find out what is being checked?

l e u f

— — — —

s i t l g h

— — — — — —

n i n g e e

— — — — — —

e w e l h s

— — — — — —

l e a x

— — — —

a b n i c

— — — — —

d u m g a d ur

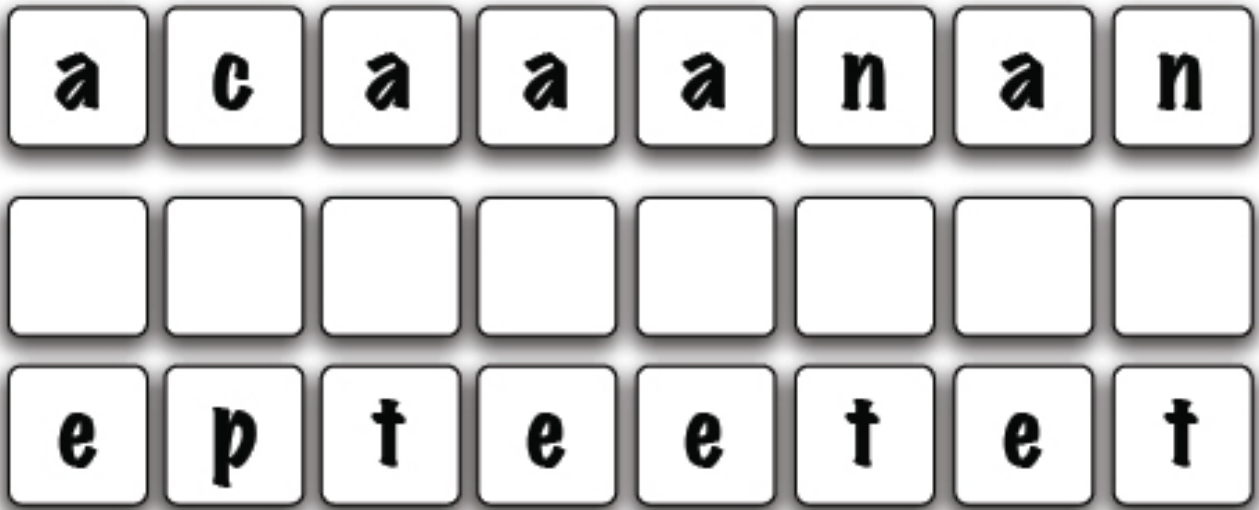
— — — — — — — —

l a i r e a

— — — — — —

Problem solved

The tractor mechanic has found out what the problem was, but he won't tell the farmer what it is! Try and help the farmer by completing the words reading down, so that the centre row reading across spells the name of the problem.



Find the wheel

The farmer needs to replace the wheel on his tractor. When he arrives at the garage he finds lots of different wheels to choose from. Which is the correct wheel for his tractor?



A



B



C



D



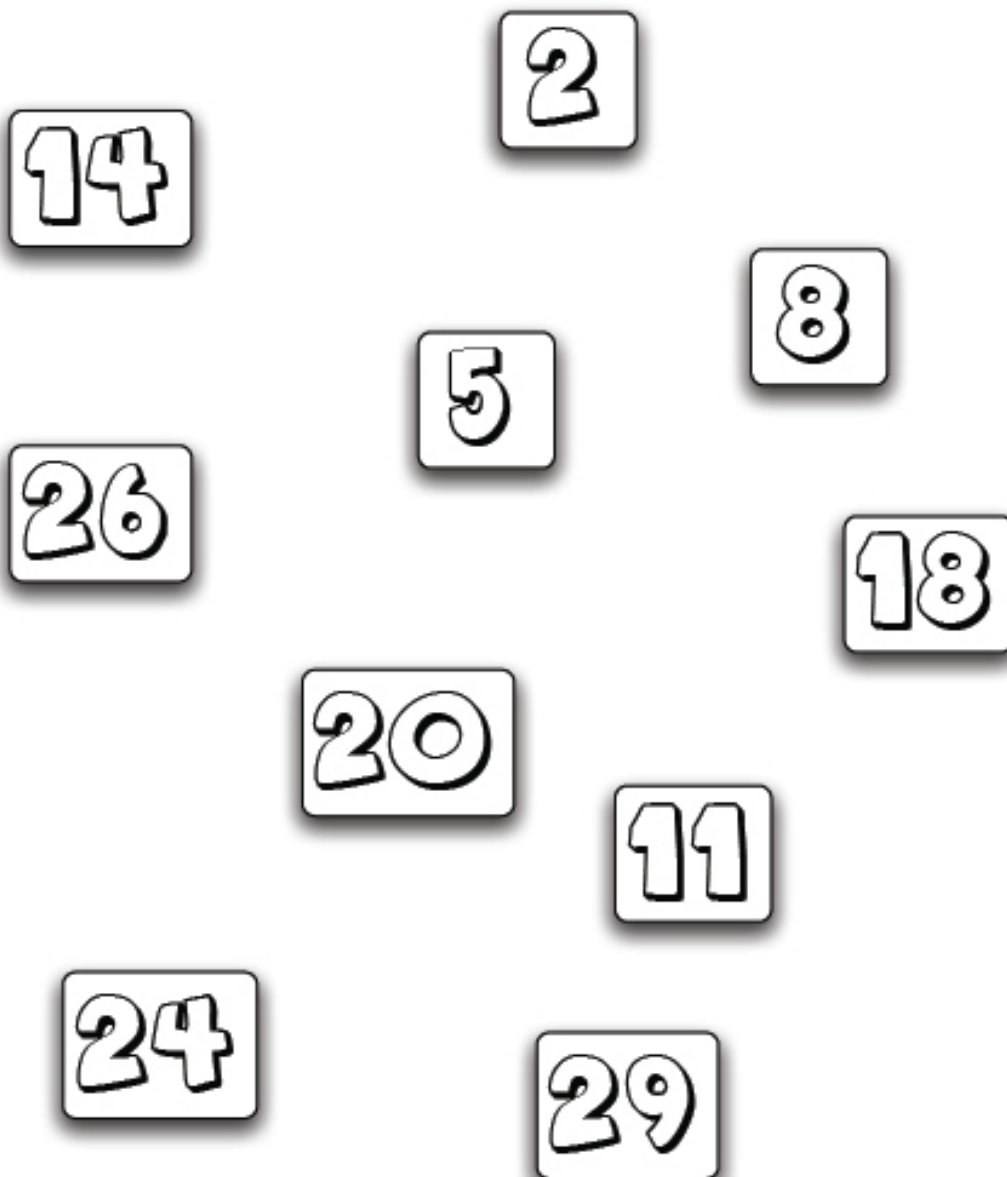
E



F

Number Juggle

The farmer is trying to work out how many hectares he has in his three big fields. See if you can find three numbers that when added together equal 47.



Autumn



Autumn is the time when the farmer begins to prepare the fields for Winter. The tractor helps to spread fertiliser on the fields, sow rye and wheat and then smooth the soil over the seeds using a harrow.

There's still plenty of work for the tractor to do. The animals need their feed carried to them, there are bales of hay to put in the barns and potatoes to harvest!

The animals

There are lots of different animals on the farm. Can you find the animals in the puzzle below?

c	s	r	z	d	a	c
i	h	w	e	o	k	e
y	e	d	h	g	s	f
g	e	o	x	r	q	b
o	p	b	o	p	p	w
a	l	h	a	n	i	o
t	c	a	t	t	g	c

Words:

dog

cat

sheep

horse

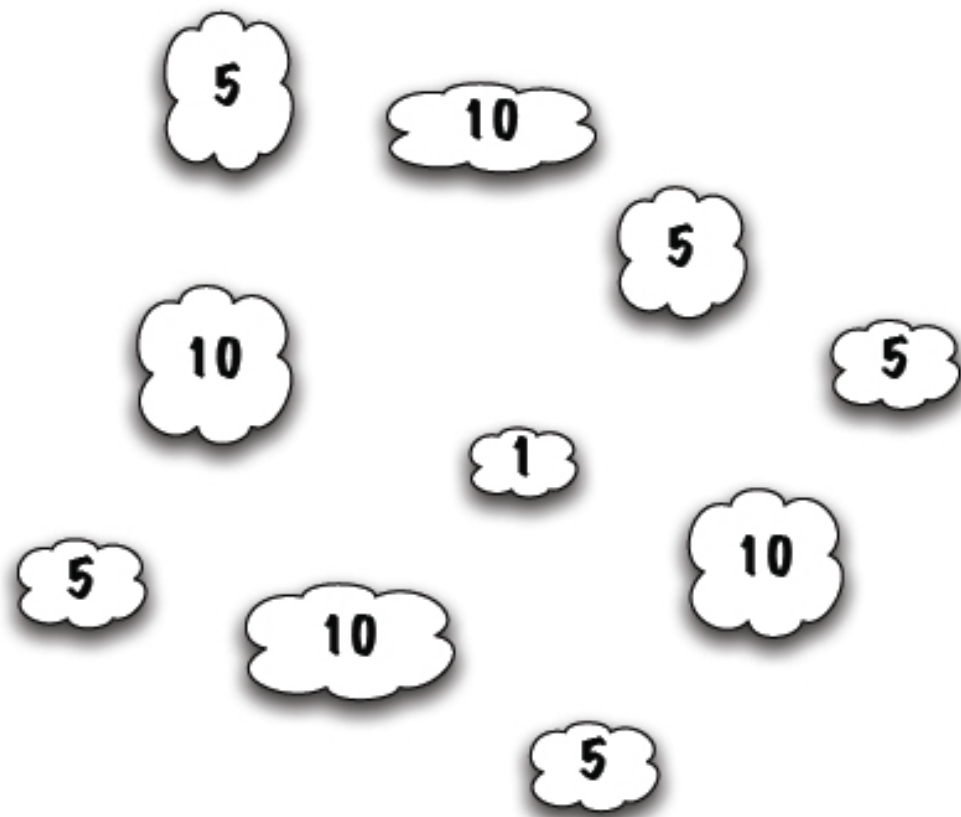
cow

goat

pig

The potatoes!

The farmer has just come back from harvesting potatoes. See if you help him find out how many kilos of potatoes he has collected. Simply add together all the numbers to find the answer!

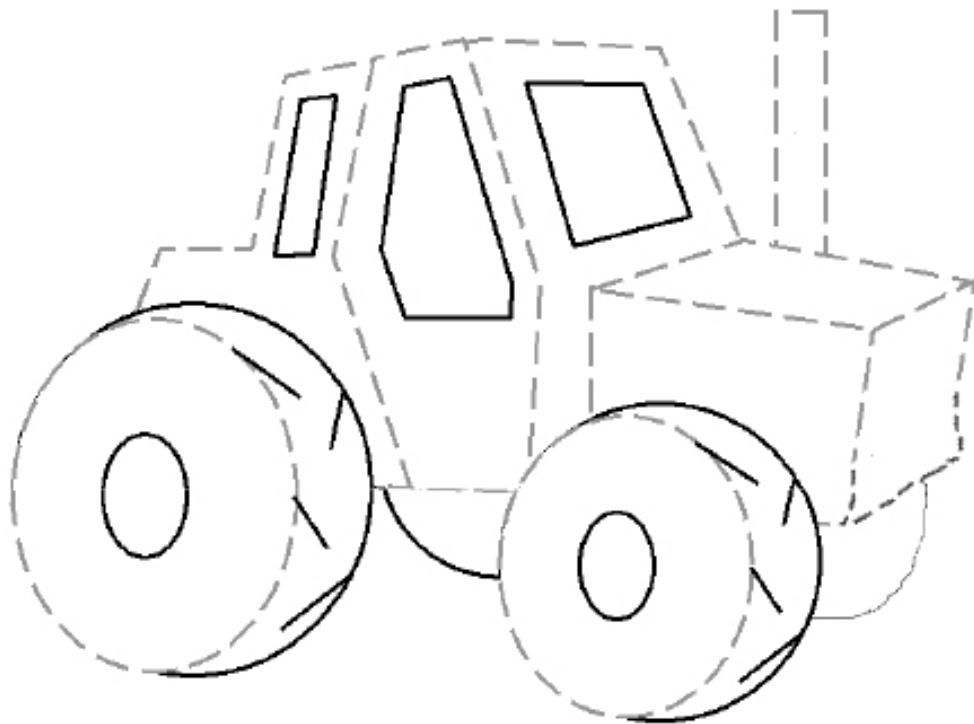


Potato total =



The colourful tractor

Can you finish the drawing of a tractor by joining the lines together and then colour the picture?



Count them up!

Look at the animals below and count them. Write how many of each animal you can see in the box.



How many animals are there in total?

Did you spot the odd one out?

Jumbled

Can you help the farmer sort out the message he has just received?
You will need to put vowels and spaces into the correct position to read the sentence.

t h t r c t r h s r

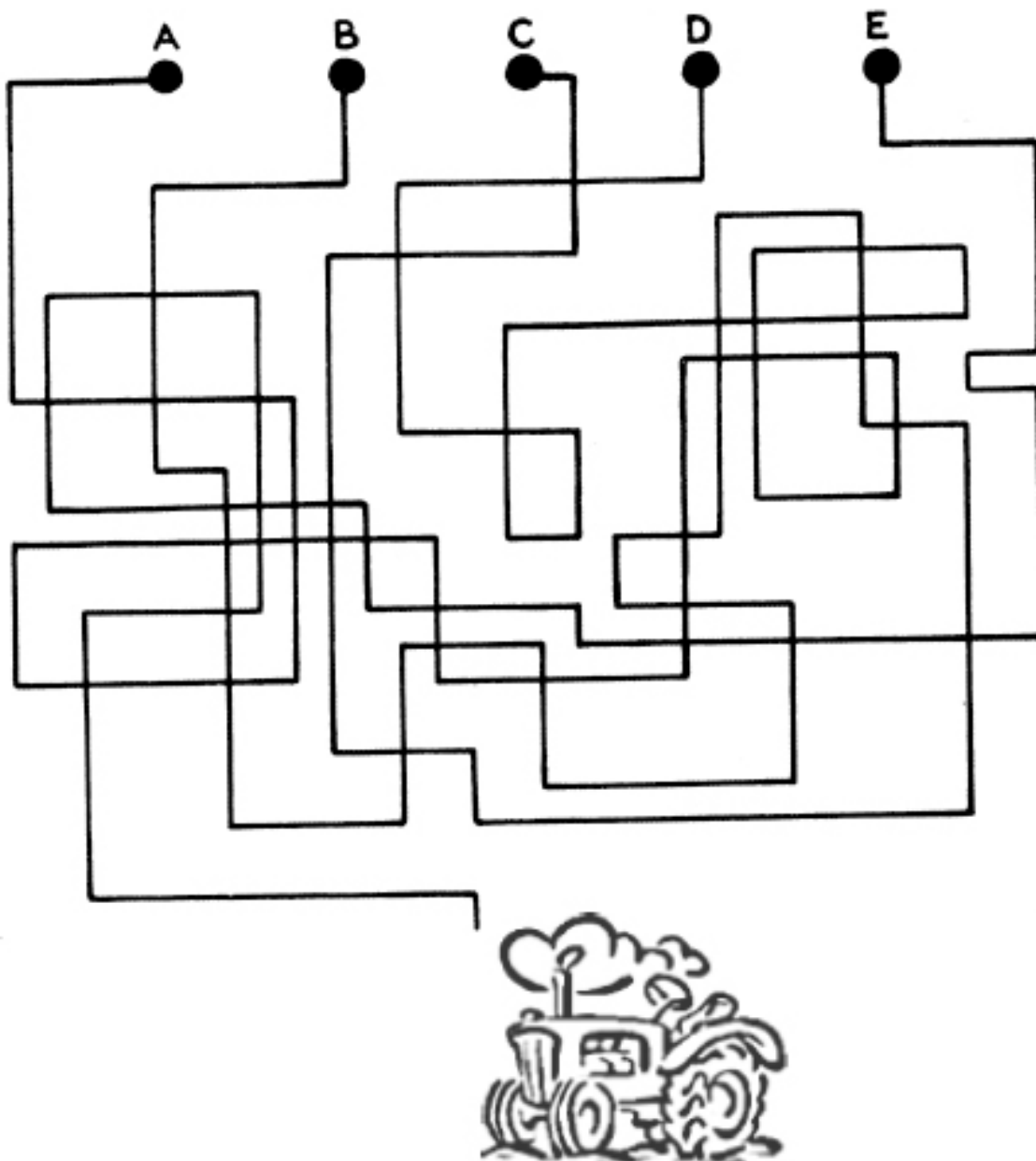
n t f f l

(here's the sequence of vowels you will need)

e a o a u o u o u e

Getting there

The farmer needs to get the diesel fuel to his tractor. Try and help him choose which is the correct way to go.



What trees

The farmer has discovered he has seven types of tree on his farm.

Write their names in the spaces to complete the seven words.

(Here are some of the words you will need: pine, fig, oak, pear, elm, fir, ash)



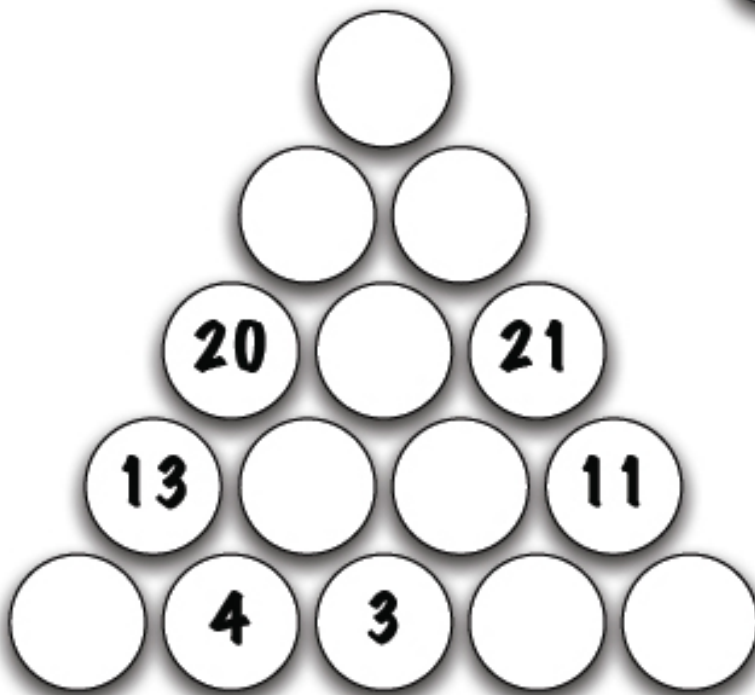
Winter



Even with snow on the ground, there's still work for the tractor to do! There are fences that need repairing and ditches to clear. When that's done, there are fallen branches to tidy up and even think where to plant new trees! If the ground isn't frozen, there's ploughing to do and when that's finished the tractor will need checking over just to make sure that everything is OK.

Stacking the bales

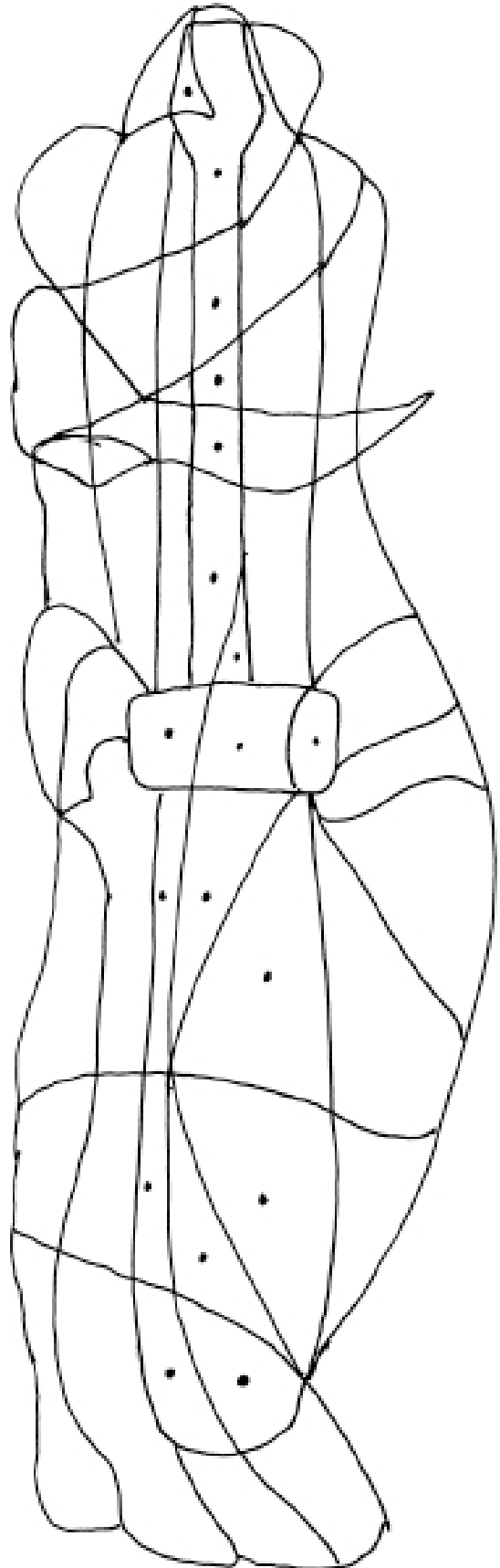
It's really busy on the farm. The tractor has been round the fields, helping to clear ditches and carrying lots of dead branches to the wood store. The next job to do on the farm is to store the bales of hay in the barn. The farmer has lost count of how many bales of hay he has placed in the barn. Will you help him? The number at the top is the total of the two numbers below. Just fill in the blank spaces with the correct number!



How many?

Just as he was reversing out of the barn, the farmer bumped the tractor's wing mirror on the barn door.

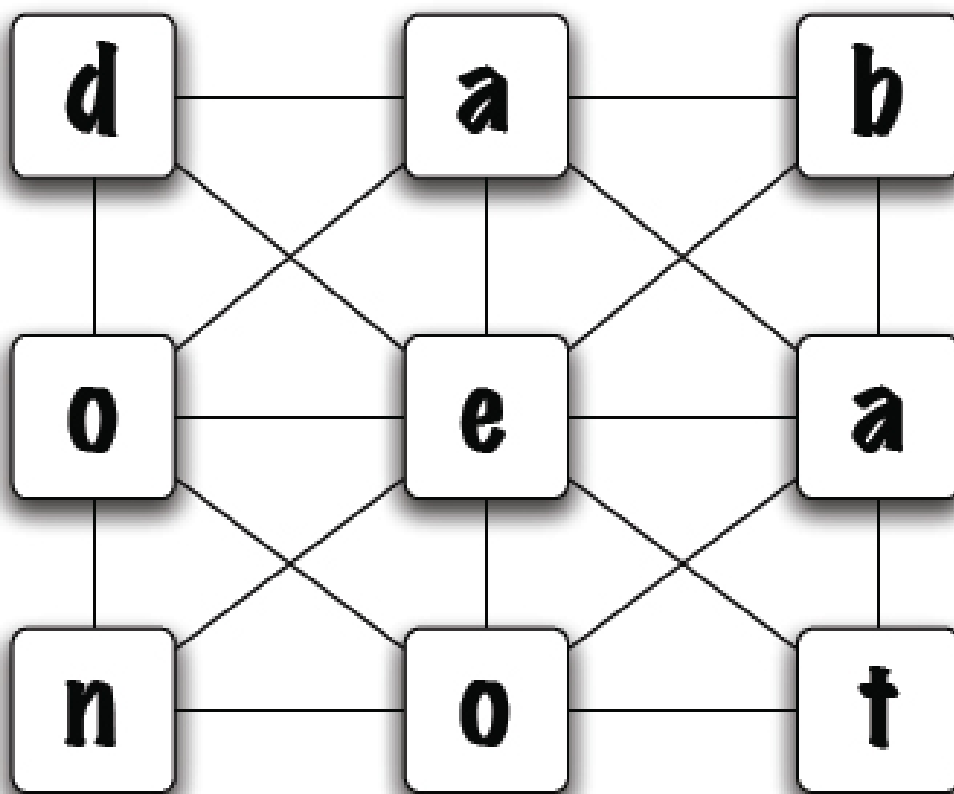
Can you help the farmer find the correct tool to fix his wing mirror? Just shade in the shapes that have a dot in them to reveal the hidden tool.



Three letter words

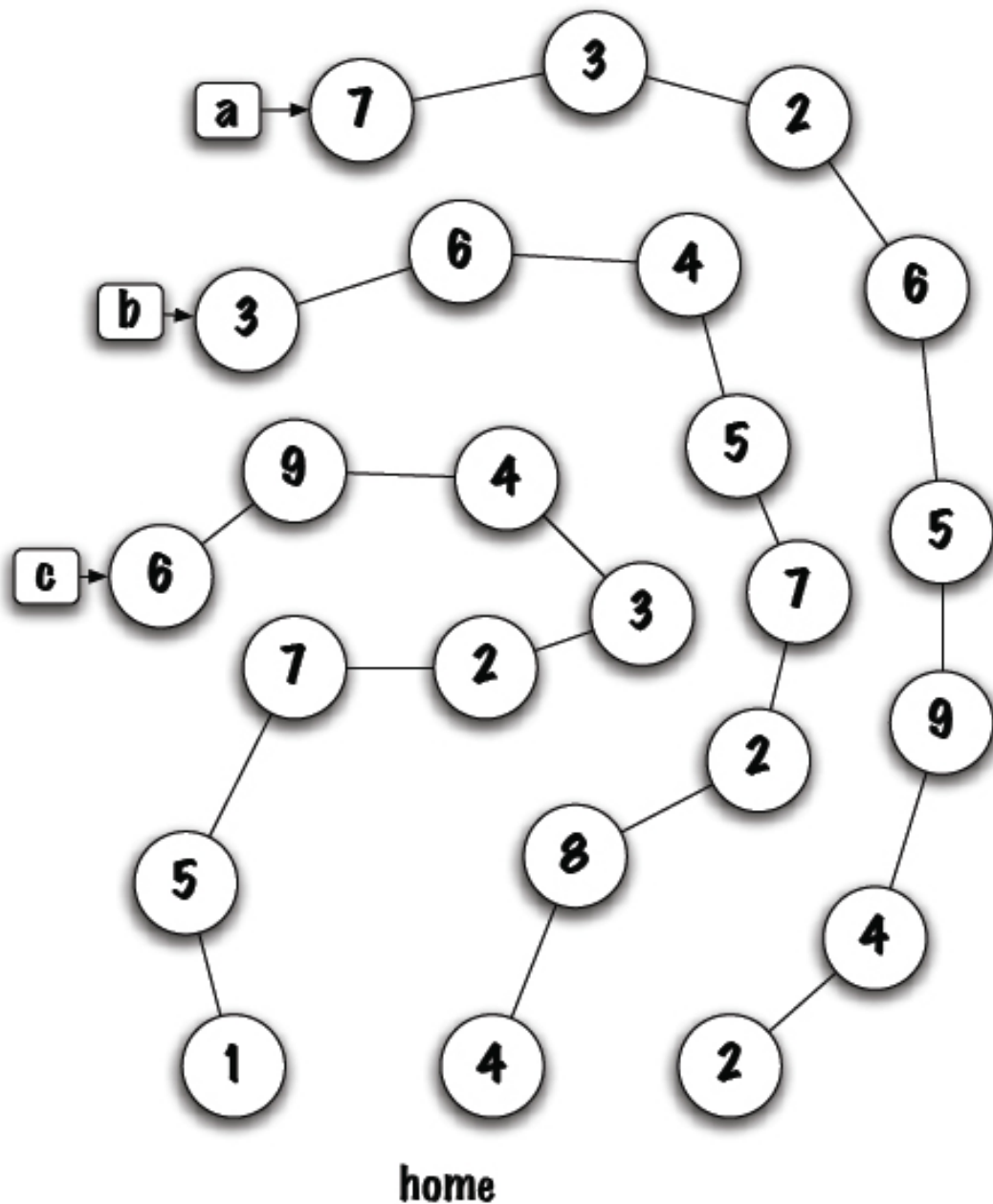
The bales of hay are stored, the tractor's wing mirror has been fixed and the farmer has begun to think about ploughing one of his fields.

He's wondering if he should plough it from side-to-side, top-to-bottom or diagonally. To help him decide, he's made a word puzzle. How many three-letter words can you find by joining the letters next to each other, moving along any straight line to the next letter? "Bat" is one word, for example.



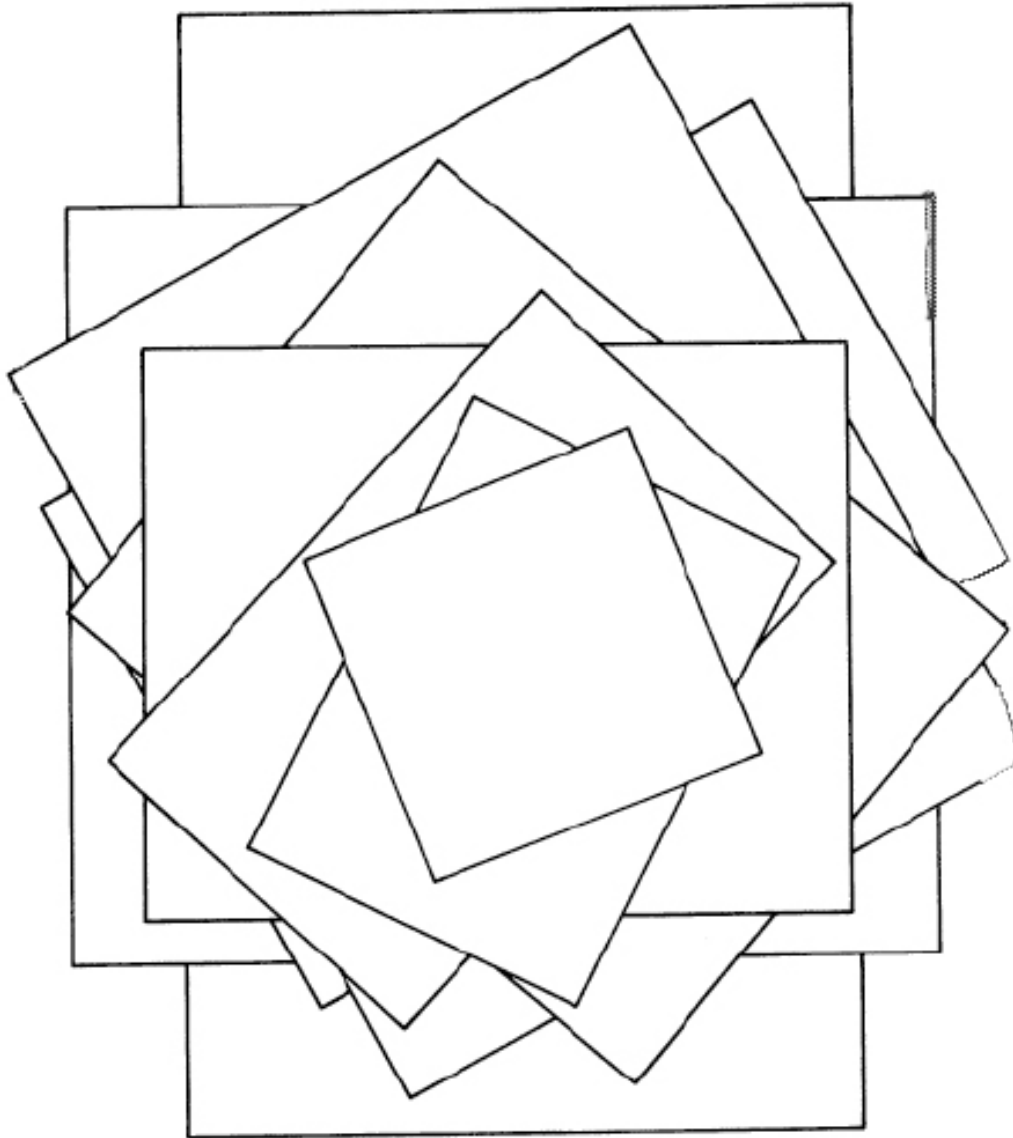
Getting home

It's getting late and the farmer is hungry. See if you can guide him home using the quickest way? Simply add up the minutes in the circles to see which route will get the farmer and his tractor home in the fastest time.










Christmas cards

The farmer has arrived home to find lots of Christmas cards waiting to be opened. Look carefully at the picture. How many cards can you count? Try colouring each one a different colour.



See if you can spot some of the machines and equipment listed below. All you have to do is identify them correctly, write the date you saw them in the box and see who can 'collect' the most objects!

Object	Date	Date	Date	Date	Date	Date	Date	Date
 Baler								
 Plough								
 Service van								
 Potato harvester								
 Mower								
 Combine								
 Tractor								

Answers

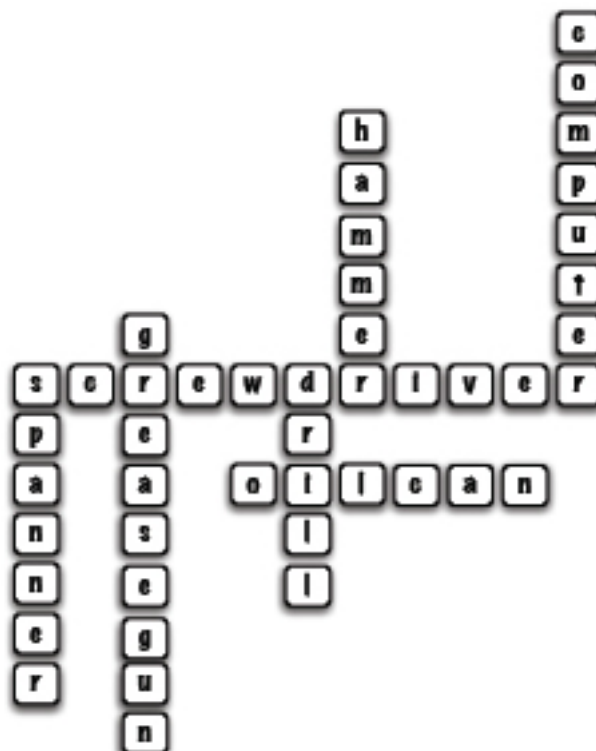
We hope you had loads of fun working out these puzzles. Just in case you got a bit stuck on a puzzle or want to check your answers, here are the solutions:

Page 8 The odd one out is 'd', and 'i' is the old machine

Page 9 Potato, oat, barley, wheat, rye, grass, oil seed rape

Page 11 'The tractor has broken down'

Page 12



Page 13 Fuel, lights, engine, wheels, axle, cabin, mudguard, aerial!!

Page 14 The tractor had a 'puncture'

Page 15 The correct wheel is 'd'

Page 16 The three fields that when added together equal '47' are
 $24+18+5$

Page 19 The total amount of potatoes is '66' kilos

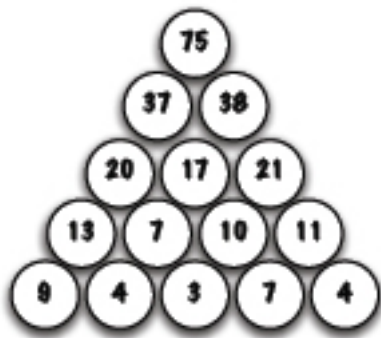
Page 21 Did you spot the monkey?

Page 22 'The tractor has run out of fuel'

Page 23 'e' is the correct way to go

Page 25 Bashful, affirm, helmet, disappear, soaking, figure, spine

Page 26



Page 29 'c' will get there first

Page 30 There are 9 cards

Tractors in Schools



Hopefully you have had fun with this quiz book and have learnt a little about tractors. Getting to sit on a tractor is the next step. The Tractors in schools project may help with that. By contacting your local farm machinery dealer they may be able to bring a tractor out to your school or tell you where you can see one in real life - a local agricultural show for example.



More information can be found by visiting the website www.tractorman.biz. Contact details are on the website

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www.seeda.gov.uk

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The following people worked on this booklet hoping to keep you entertained and helping you understand a little more about tractors:

Text & Puzzles: Pete Townsend

Additional text & expert advice: Ian Beecher Jones

Further advice & guidance: Bill Graham & Janet Hickinbottom !(Farming & Countryside education)

