

Introduction

These photocopiable worksheets are intended to help you, the teacher, to encourage and enable your pupils to cope with the demands of SATs.

Through the delivery of the National Curriculum and the National Literacy Programme, our children are bombarded with new concepts which can overwhelm them completely. What's more, the way SATs questions are constructed and phrased, they expect children to be able to think laterally in applying those concepts. Without practice and familiarisation in these lateral thinking techniques children will be sitting their SATs cold, and are unlikely to perform as well as they usually do in class - where questions have a very different slant. These sample questions provide ample opportunities for your children to explore the types of questions they will be asked. They also consolidate the key objectives of the maths National Curriculum. Through the regular practice these worksheets offer, your pupils will become quite comfortable applying their key skills in the way their 'real' SATs will demand. Delbert (who you will already know if you are using *Weekly Worksheets for the Numeracy Hour*) adds a light-hearted touch, as his cartoon figure gives the children hints and tips, and the odd joke to help them on their way.

The mock exam

The blue section is a mock SATs paper (designed to be sat in 60 minutes - a little longer than the real thing, as there are more questions here). It has been produced to mirror an actual SATs paper, with marks allocated for each question, and a box on the front page for you to record the pupils' achievements. Delbert continues to add his unique helping hand, with more helpful hints along the way. Ideal practice as a 'mock' exam at the end of Year 5, and a useful evaluation exercise.

Calculators

Some questions in the 'Practice Questions' worksheets allow the use of calculators. You can of course extend this permission to other questions as you see fit. The mock paper assumes that calculators are not allowed.

Assessment and reward

We have included a photocopiable Pupil Evaluation Sheet as a vehicle for recording individuals' progress. (The idea is to get your pupils involved by getting them to complete their own evaluation sheets. You can of course do them yourself if you prefer.) Lively Delbert merit certificates are also included for you to give a 'pat-on-the-back' as and when it is deserved.

However you choose to use these worksheets - for classwork, homework or on-going assessments, your children will benefit enormously. We hope you enjoy working with them.

David Baldwin

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Previously Maths Co-ordinator at St Anthony's Junior School, Hampstead
(David has also recently been asked to advise on a new Channel 4 maths series.)

You may copy these worksheets freely for use in your school

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Delbert's Practice Questions for KS2 Maths SATs

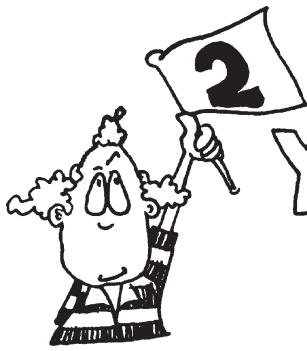
*worksheets and
mock exam paper*
compiled and illustrated
by David Baldwin



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DELBERT'S YEAR 5 SATs QUESTIONS

Name _____

① Circle two numbers that add up to 100



58 43 34 44 66 67 22 32

② Match up pairs of numbers that add up to 1000



350 550 150 850 750 650 450 250

add = 1000

add = 1000

add = 1000

add = 1000

③ Delbert thinks of a sequence. His rule is to add the same amount each time. Write in the missing numbers.



1 3 5 9

④ Fill in the missing digits



2 + 3 = 51



It doesn't matter which way round!

⑤ Delbert knows that $13 \times 14 = 182$

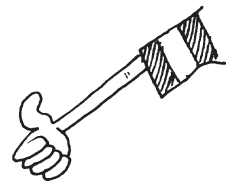
Explain how, by using this information, he can work out 14×14



⑥ Calculate $140 \div 4$



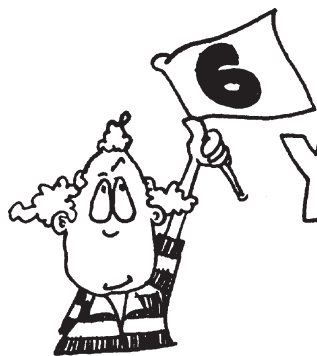
⑦ Shade in 50% of this grid



⑧ Fill in the missing number



$50 \times 5 =$

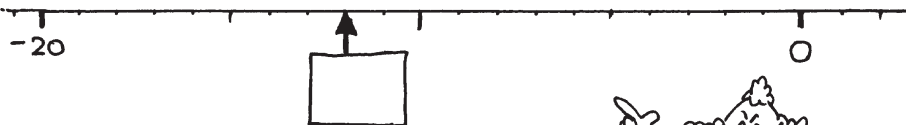


DELBERT'S YEAR 5 SATS QUESTIONS

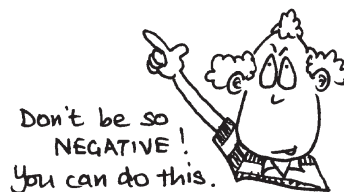
Name _____

① Fill in the missing digits $\square 5 - 2\square = 62$

② Here is part of a number line. Write in the number indicated by the arrow



③ Calculate 60×50 \square



④ Circle the two numbers which add up to 100

- 76 67 63 43 47 33 39 34

⑤ Place these numbers in order of size.

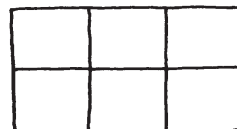
67 76 6.6 77 70 6.0 6.7

\square \square \square \square \square \square \square

Smallest largest

⑥ Fill in the missing number $(\square + 2) \div 3 = 3$

⑦ Here is a grid. Shade in $\frac{1}{3}$ of it



⑧ TACTICS are 18p per box. What is the greatest number of boxes that Delbert can buy with his £1 coin?

\square boxes

⑨ 8 and 6 are both FACTORS of 48. Write 4 more factors of 48

\square \square \square \square



DELBERT'S YEAR 5 SATs QUESTIONS

Name _____

- ① Write in what the missing digits could be



$$\begin{array}{|c|c|} \hline 9 & \square \\ \hline \end{array} - \begin{array}{|c|c|} \hline \square & 2 \\ \hline \end{array} = 57$$



- ② Write two numbers with a difference of 5.5



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5.5 is the same as saying $5\frac{1}{2}$

- ③ Here is a number sequence. Write in the missing numbers.

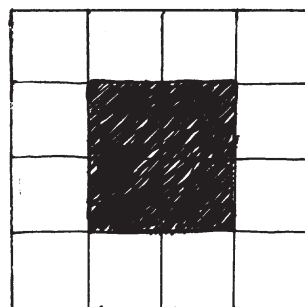


480 240 120 60

Now explain how you worked it out: _____

- ④ Look at the grid. How much of the grid is shaded in?

Write your answer as a fraction.



- ⑤ Calculate 45×10

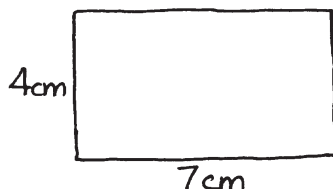


- ⑥ Delbert thinks of a number. He divides it by 3 and then subtracts 5. He is left with 3. What was Delbert's number?



- ⑦ Look carefully at this rectangle. What is its perimeter?

(It is not drawn to scale)



Perimeter = cm






DELBERT'S YEAR 5 SATS QUESTIONS

Name _____

- ① Put these numbers in order of size. Start with the smallest.

 217 712 271 127 721 172

Smallest largest

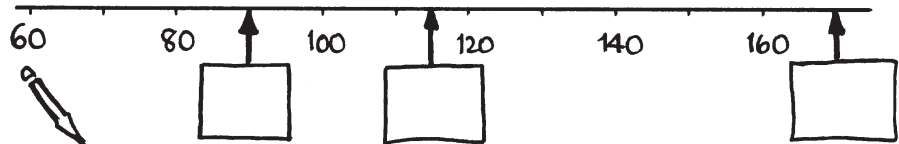
- ② Fill in the missing number  $\div 8 = 13$

- ③ Delbert thinks of a number. He multiplies it by 10 then adds 5. He then has 105 as his answer.

What was Delbert's number? 



- ④ Here is part of a number line. Write in the numbers indicated by the arrow.

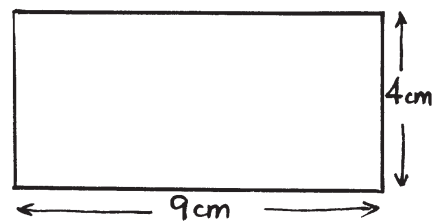


- ⑤ Calculate the perimeter of this rectangle (It is not drawn to scale)

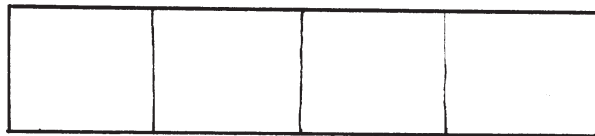


What does PERIMETER mean, again?

Perimeter = cm

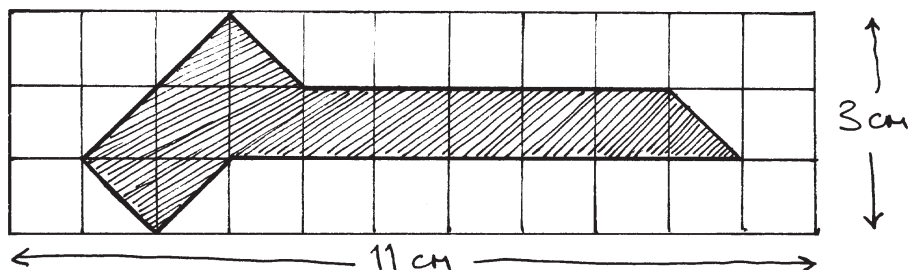


- ⑥ Here is a grid. Shade in $\frac{1}{8}$ of it.



- ⑦ Work out the area of the shape.

Area = cm^2

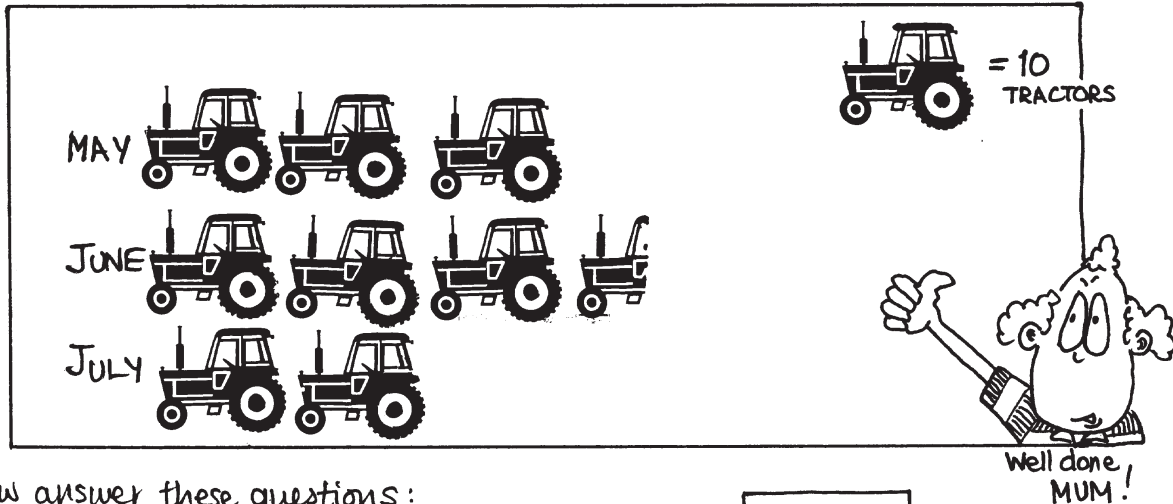




DELBERT'S YEAR 5 SATS QUESTIONS

Name _____

- ① Delbert's Mother sells tractors. Here is a chart to show how many tractors she sold last year, between May and July



Now answer these questions:



How many tractors were sold in July?

Estimate how many tractors were sold in June

How many tractors, do you think, were sold altogether in these three months?

- ② Delbert spends $\frac{1}{4}$ of his £12 birthday money. How much does he have left?

- ③ Circle one number from the list below that can be divided by 9 without leaving a remainder.



19 29 39 49 59 69 79 89 99

- ④ Here is a number sequence. Write in the missing numbers



1 2 4 8 16 32


- ⑤ Calculate $360 \div 9$

- ⑥ Write in the missing digits 6 - = 7



DELBERT'S YEAR 5 SATS QUESTIONS

Name _____

① Calculate 24×12 

② Circle two numbers which can be divided by both 6 and 9 without leaving any remainders.

 28 16 24 36 48 64 81 90

③ This three digit number has both 7 and 3 as FACTORS.

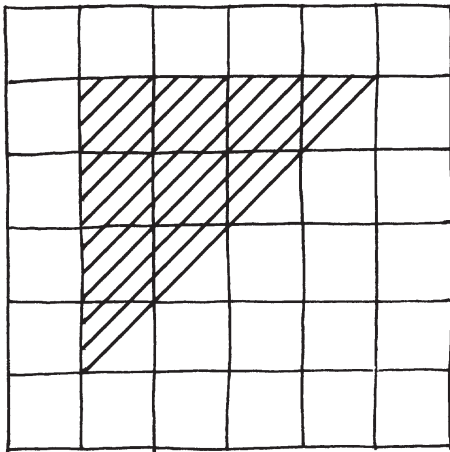
3	5	7
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Now write another three digit number that has 7 and 3 as factors.



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④ Calculate the AREA of the triangle on the centimetre square grid.

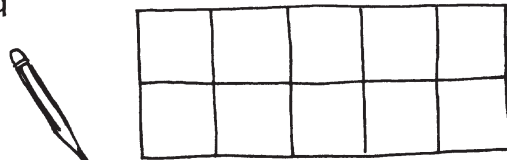



 AREA OF TRIANGLE = cm^2




Hey, look! This triangle is half a square. Does this help you to calculate AREA? There must be a way to do this!

⑤ Shade in 20% of this grid



⑥ Calculate $510 - 325$ 

⑦ n is a number. $n + 12 = 46$. What is the value of n ?

 $n =$