



**Hartshorne**  
CHURCH OF ENGLAND Primary School

# Mathematics

**Homework  
Booklet**

**2016-2017**

This booklet has been designed to help you at home with maths activities. Only do one page a week and ensure you hand it back to your teacher every Friday morning. The maths activities have been taken from sample materials from the government website. If you need any help or advice please speak to your child's class teacher.

Week Commencing 12 September 2016

$$979 + 100 =$$

$$123 \times 2 =$$

$$6.1 + 0.3 =$$

$$24 \times 3 =$$

$$1,034 + 586 =$$

Child comment:	Parent comment:	Teacher comment/Acknowledgement:
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Week Commencing 19 September 2016

$$48 \div 6 =$$

$$472 - 9 =$$

$$2.5 + 0.05 =$$

$$5 \times 4 \times 7 =$$

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**Week Commencing 26 September 2016**

$$\frac{4}{5} - \frac{1}{5} =$$

$$630 \div 9 =$$

$$1.28 \times 100 =$$

$$4^2 =$$

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**Week Commencing 3 October 2016**

$$50,000 - 500 =$$

$$100 \times 100 =$$

$$1,440 \div 12 =$$

$$20\% \text{ of } 1,500 =$$

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Week Commencing 16 October 2016

$$1.52 \times 6 =$$

$$\frac{1}{9} + \frac{4}{9} =$$

$$5,756 + 8,643 =$$

$$7,505 \div 5 =$$

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Week Commencing 17 October 2016

$$12 - 6.01 =$$

			5	4
×			2	3
<hr/>				

$$15.4 - 8.88 =$$

1	3	3	0	1	6

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comment/Acknowledgement:



Week Commencing 31 October 2016

$$\frac{1}{4} \times \frac{1}{8} =$$

$$95\% \text{ of } 240 =$$

$$234,897 - 45,996 =$$

			6	7	8
×				5	4
<hr/>					

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**Week Commencing 7 November 2016**

$$17 \times 1\frac{1}{2} =$$

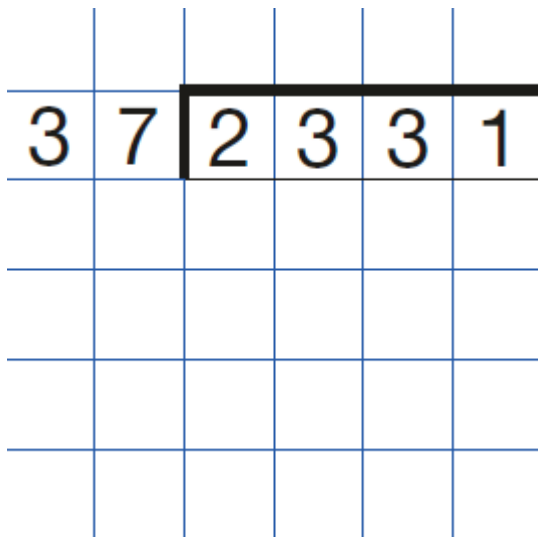
$$20 - 4 \times 2 =$$

$$\frac{2}{5} \div 2 =$$

$$1\frac{1}{5} - \frac{1}{4} =$$

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Week Commencing 14 November 2016



$$\frac{3}{4} + \frac{7}{8} =$$

$$\frac{3}{4} \div 2 =$$

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**Week Commencing 21 November 2016**

Write the missing number.

One is done for you.

$$180 \xrightarrow{\text{is 20 more than}} 160$$

$$\boxed{\phantom{000}} \xrightarrow{\text{is 20 more than}} 237$$

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## Week Commencing 28 November 2016

A pack of paper has 150 sheets.

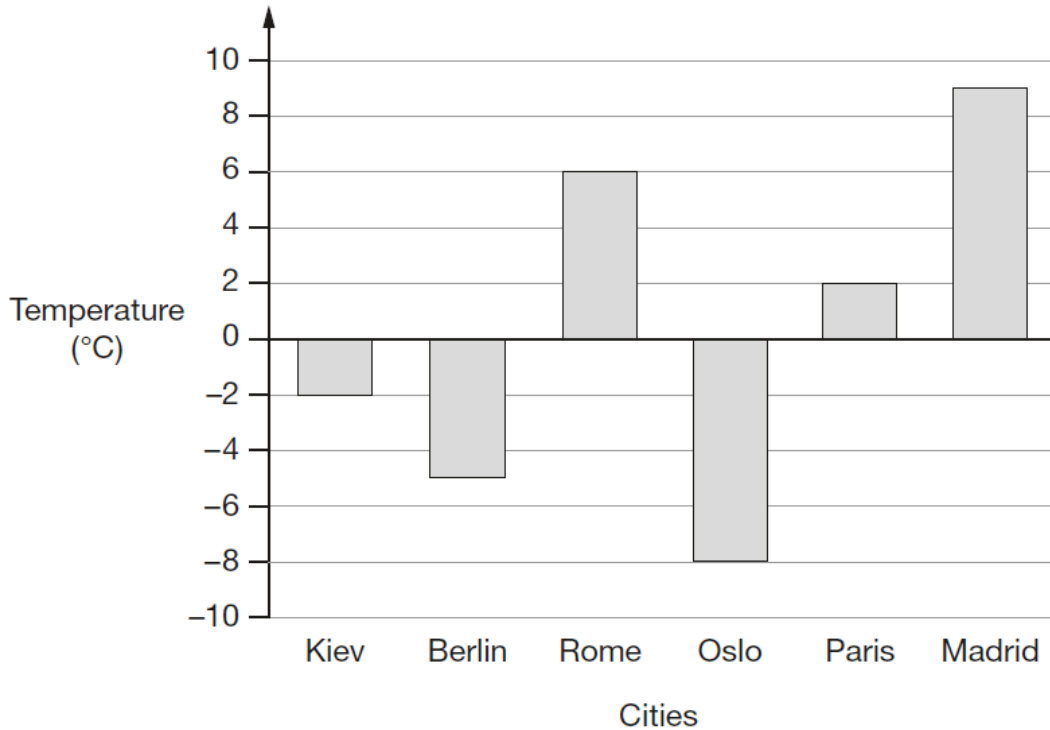
4 children each take 7 sheets.

How many sheets of paper are left in the packet?

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## Week Commencing 5 December 2016

This graph shows the temperature in six cities on one day in January.



Which city was 4 degrees **warmer** than Kiev?

\_\_\_\_\_

What was the **difference** between the temperature in Oslo and the temperature in Berlin?

°C

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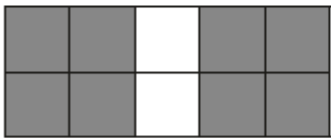
## Week Commencing 12 December 2016

Here are some shapes made of squares.

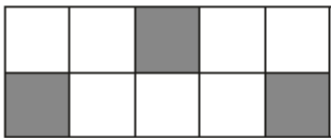
A fraction of each shape is shaded.

Match each shape to its equivalent fraction.

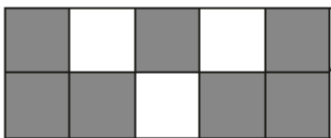
One has been done for you.



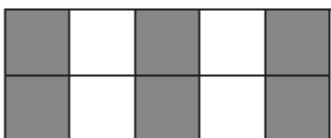
$$\frac{7}{10}$$



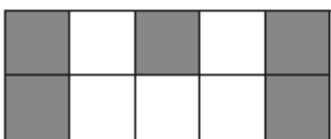
$$\frac{3}{5}$$



$$\frac{1}{2}$$



$$\frac{4}{5}$$



$$\frac{3}{10}$$

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## Week Commencing 2 January 2017

What is 444 minutes in hours and minutes?

hours

minutes

Stefan's watch shows five minutes past nine.

The watch is twelve minutes fast.



What is the correct time?

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## Week Commencing 9 January 2016

In the circles, write a multiple that belongs to each set.

One has been done for you.

numbers from 1 to 99 — multiple of 10 — 50

numbers from 101 to 199 — multiple of 20 — ○

numbers from 201 to 299 — multiple of 30 — ○

numbers from 301 to 399 — multiple of 40 — ○

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# Week Commencing 16 January 2016

Maria bakes cakes and sells them in bags.



She uses this formula to work out how much to charge for one bag of cakes.

$$\text{Cost} = \text{number of cakes} \times 20\text{p} + 15\text{p for the bag}$$

How much will a bag of 12 cakes cost?

£
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Olivia buys a bag of cakes for £5.15

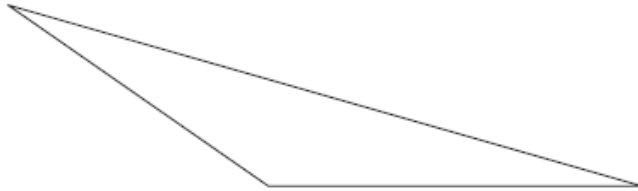
Use the formula to calculate how many cakes are in the bag.

Show your method	[Grid for calculation]									
	cakes									

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## Week Commencing 23 January 2017

Here is a triangle.



Measure the shortest side accurately, in centimetres.

Measure the largest angle.

Write the two missing digits to make this **long multiplication** correct.

$$\begin{array}{r} \phantom{\times} \phantom{0} 4 \square \\ \times \phantom{0} \square 6 \\ \hline 2 \ 4 \ 6 \\ 8 \ 2 \ 0 \\ \hline 1 \ 0 \ 6 \ 6 \end{array}$$

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## Week Commencing 30 January 2016

Here is a number written in Roman numerals.

CXV

Write the number in figures.

What number is halfway between 1.4 and 2.1?

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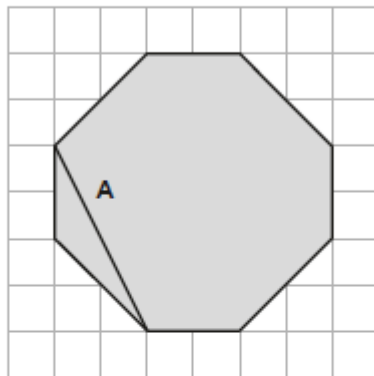
## Week Commencing 6 February 2017

The diagram shows a shaded octagon on a square grid.

Line **A** joins two vertices of the octagon.

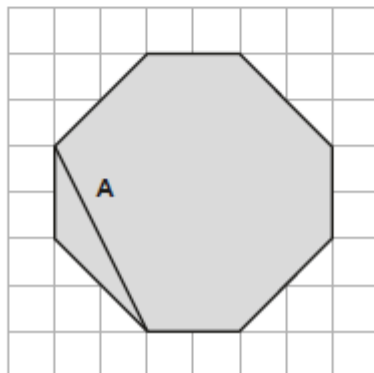
Join two other vertices to draw a line **parallel** to line **A**.

Use a ruler.



Join two vertices to draw a line **perpendicular** to line **A**.

Use a ruler.



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## Week Commencing 20 February 2016

Round 124,531

to the nearest 10,000

to the nearest 1,000

to the nearest 100

A shaded **isosceles** triangle is drawn inside a rectangle.



Calculate the size of angle  $a$ .

Saving ink notes...	
1	$a$ is <input type="text"/> °

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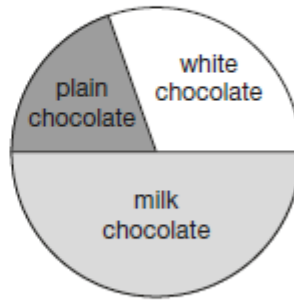


100 girls and 50 boys were asked which kind of chocolate they like best.

These two pie charts show the results.



**100 girls**



**50 boys**

Dev says,

*"The pie charts show that more girls than boys liked milk chocolate best."*

Dev is correct.

Explain how you know.

A large, empty, cloud-shaped outline intended for the student to write their explanation of why Dev is correct.

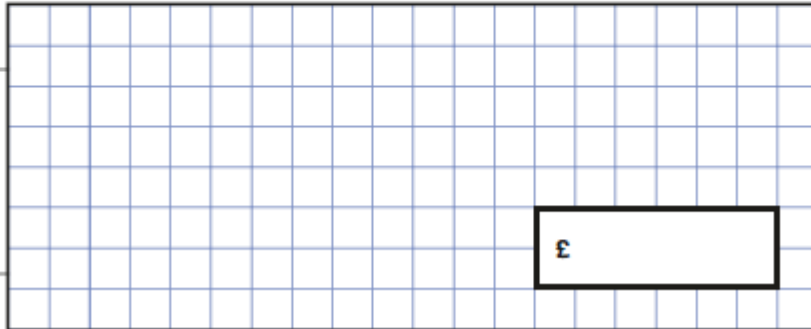
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## Week Commencing 6 March 2017

One gram of gold costs £32.94

What is the cost of half a kilogram of gold?



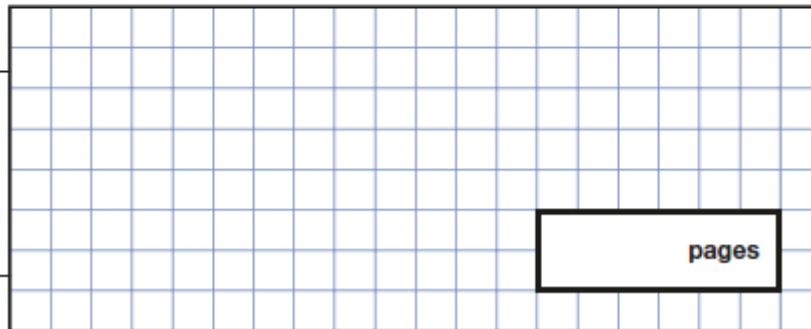
A large grid for calculation. In the bottom right corner of the grid, there is a rectangular box containing the symbol £.

On Saturday Lara read  $\frac{4}{5}$  of her book.



On Sunday she read the **other** 90 pages to finish the book.

How many pages are there in Lara's book?



A large grid for calculation. In the bottom right corner of the grid, there is a rectangular box containing the word pages.

Here is a diagram for sorting numbers.

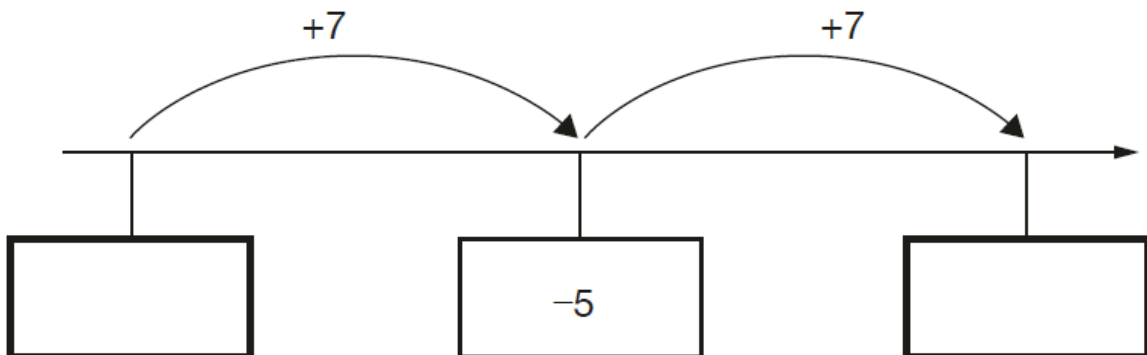
Write **one number** in each box.

One is done for you.

	multiple of 5	<b>not</b> a multiple of 5
multiple of 3	30	
<b>not</b> a multiple of 3		

Here is part of a number line.

Write the missing numbers in the boxes.



Look at this number.

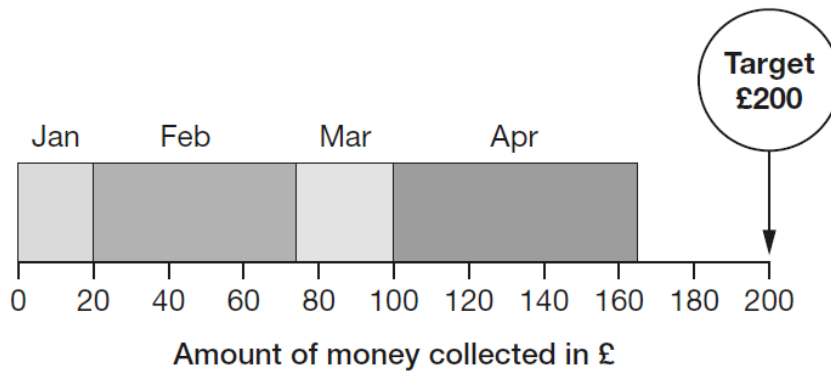
23,451.96

Write the **digit** that is in the hundreds place.

Write the **digit** that is in the hundredths place.

A school plans to collect £200 between January and May.

This chart shows how much they collected by the end of April.



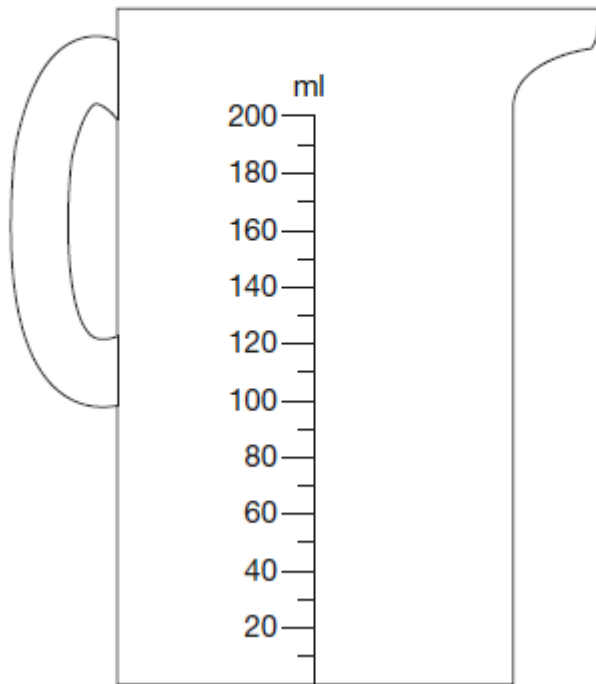
Write the name of **each** month where they collected more than £50

How much money did they collect in February and March **altogether**?

£

Chen pours 165 millilitres of milk into a measuring jug.

Draw an arrow on the jug to show the level of the milk.



Here are six cards.

$\times 10$

$\times 100$

$\times 1000$

$\div 10$

$\div 100$

$\div 1000$

Use a card to complete each calculation.

$$5.3 \boxed{\phantom{000}} = 0.53$$

$$5.3 \boxed{\phantom{000}} = 5300$$

$$5.3 \boxed{\phantom{000}} = 0.053$$

Write the number 53,148 in **words**.

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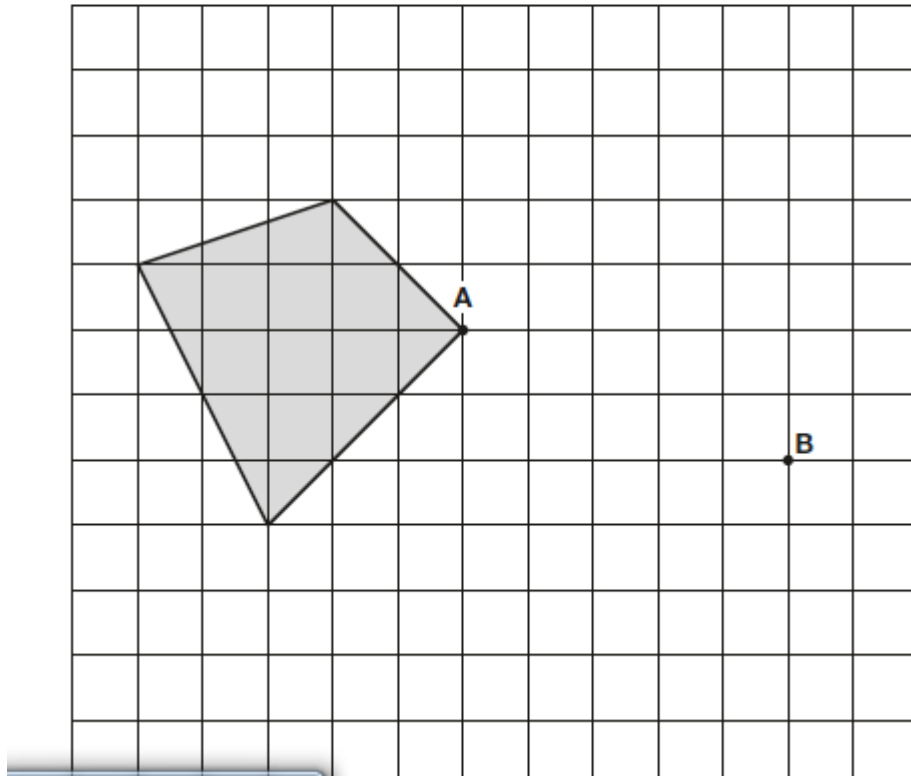
## Week Commencing 13 March 2017

Here is a shaded shape on a grid.

The shape is translated so that point **A** moves to point **B**.

Draw the shape in its new position.

Use a ruler.









Two decimal numbers add together to equal 1

One of the numbers is 0.007

What is the other number?

Here are four fraction cards.

$$\frac{3}{4}$$

$$\frac{5}{8}$$

$$\frac{6}{12}$$

$$\frac{7}{16}$$

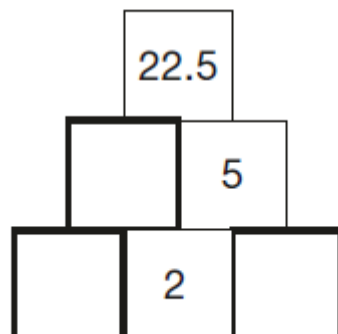
Use any **three** of the cards to make this correct.

$$\square < \square < \square$$

Here is a number pyramid.

The number in a box is the **product** of the two numbers below it.

Write the missing numbers.



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## Week Commencing 20 March 2017

Join dots on the grid to make a quadrilateral that has 3 acute angles.



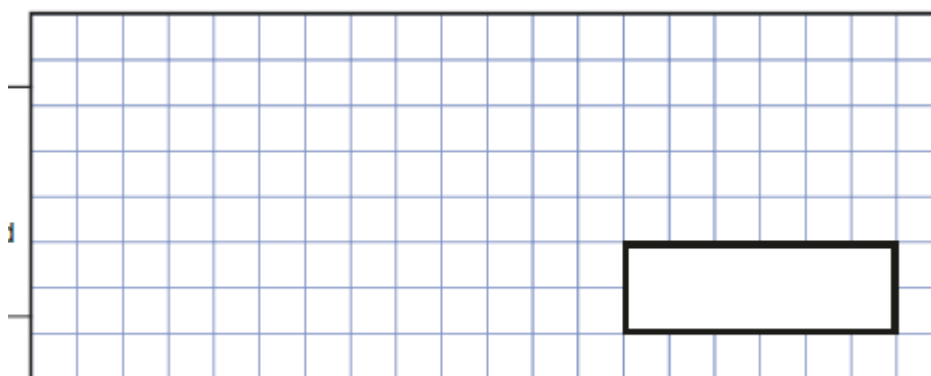
Lara chooses a number less than 100

She divides it by 3 and then subtracts 11

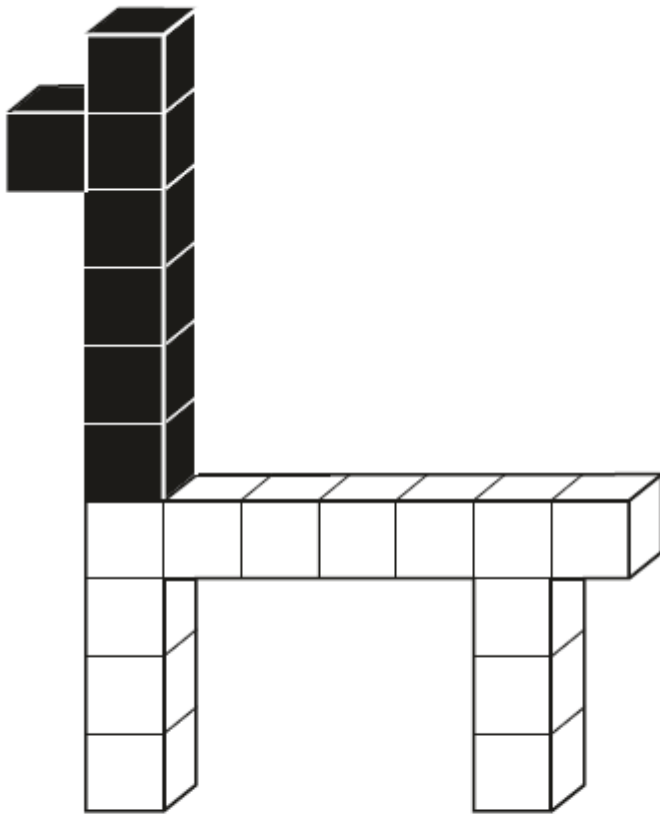
She then divides this result by 2

Her answer is 10.5

What was the number she started with?



This model is made with 20 cubes.



What percentage of the cubes in the model is black?

%

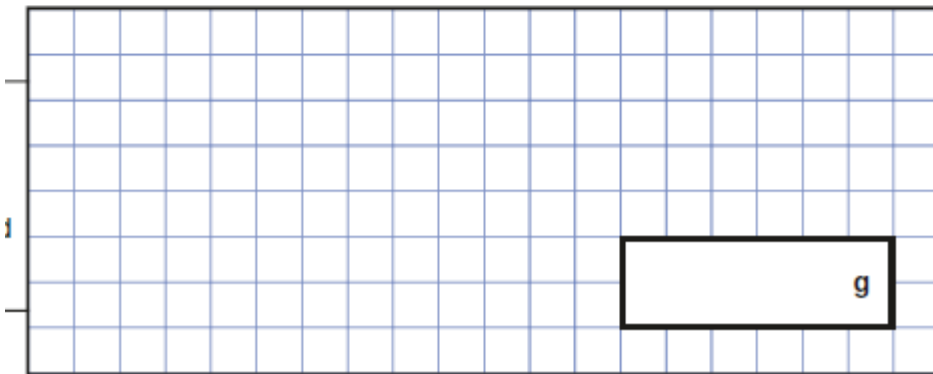
Here are the ingredients for chocolate ice cream.

cream	400 ml
milk	500 ml
egg yolks	4
chocolate	120 g
sugar	100 g



Stefan has only 300ml of cream to make chocolate ice cream.

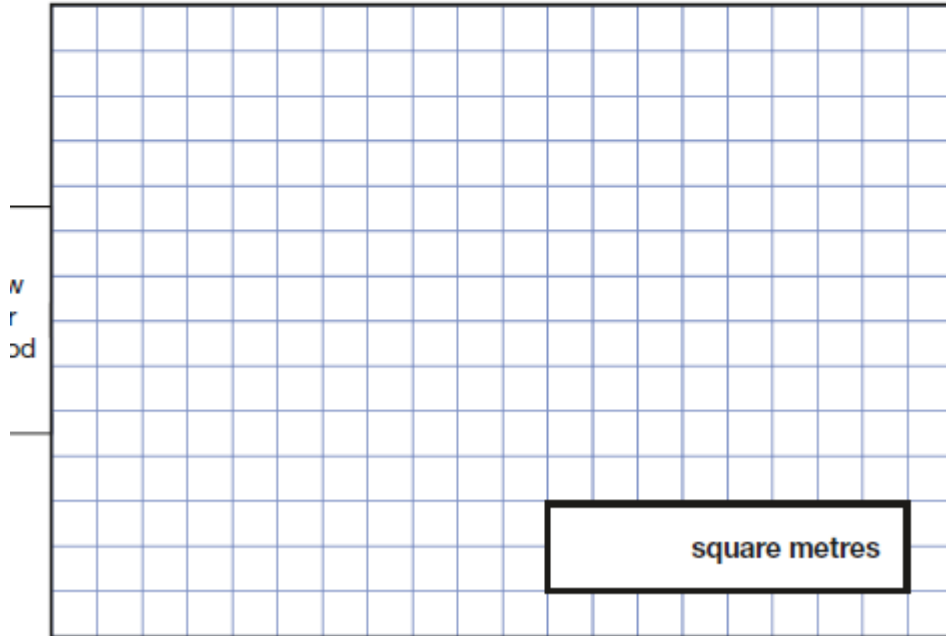
How much **chocolate** should he use?



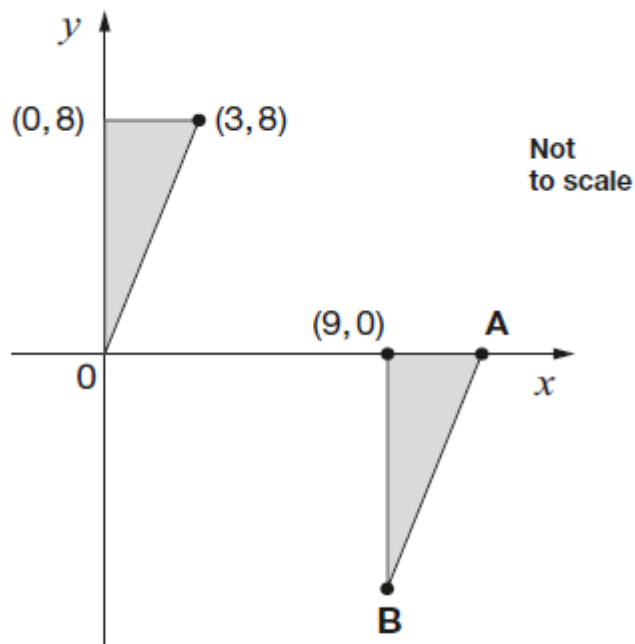
The area of a rugby pitch is 6,108 square metres.

A football pitch measures 112 metres long and 82 metres wide.

How much larger is the area of the football pitch than the area of the rugby pitch?



Here are two **identical** shaded triangles on coordinate axes.



Write the coordinates of points A and B.

$$A = ( \quad , \quad )$$

$$B = ( \quad , \quad )$$

Child comment:	Parent comment:	Teacher comment/Acknowledgement:
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