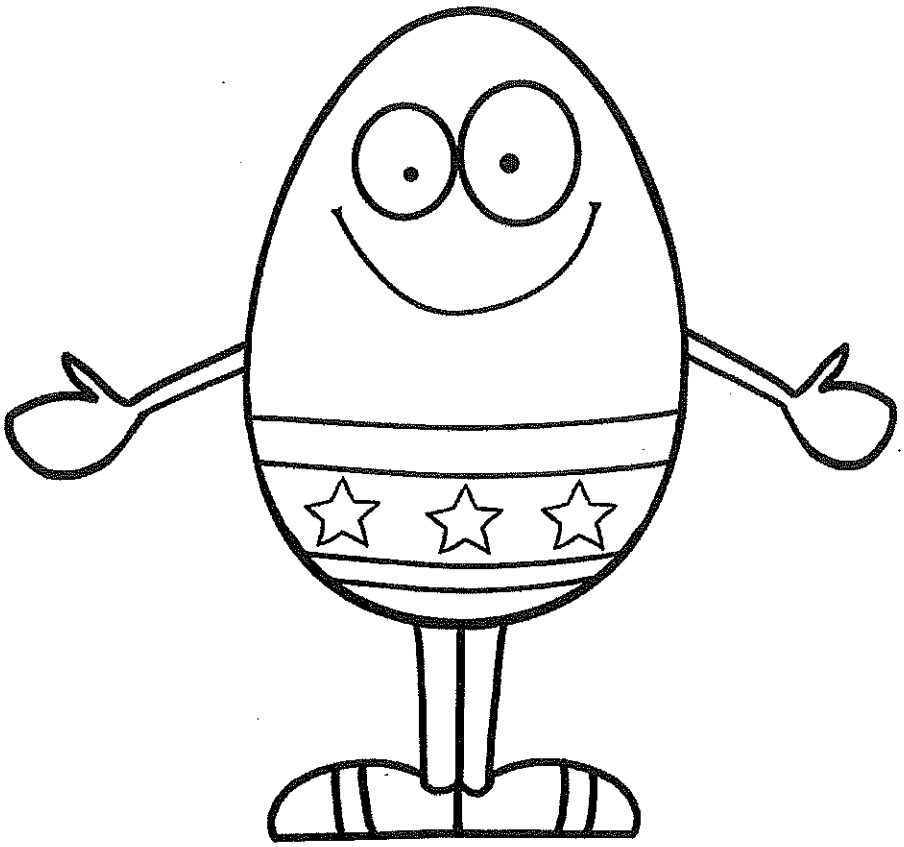
KS2 SAT Revision

Ten for Ten

Easter Practice Booklet

MATHEMATICS



EGG-SPECTED STANDARD

Name: Honesty Card

Ten for Ten

Easter Practice Booklet
KS2 Mathematics

The SATs are just around the corner, but no need to panic! Just use this booklet to do your 10 minutes practice for 10 days during the Easter holiday and you'll be ready for action when you get back to school : D

Each day, after you've completed the arithmetic and the reasoning section, mark your work yourself using the answer pack or go through it with your parents. This is important so you know what you can do and what you still need to work on.

Good luck!

Day 1 - Arithmetic

1 1016 - 200 =

816

1 mark

2 423 x 2

846

1 mark

3 960 ÷ 12 =

80

1 mark

4 30% x 2,300 =

10% = 230

690

1 mark

5 Show your method

158

2 marks

6 80,000 - 1,600 =

78,400

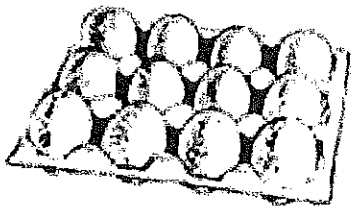
1 mark

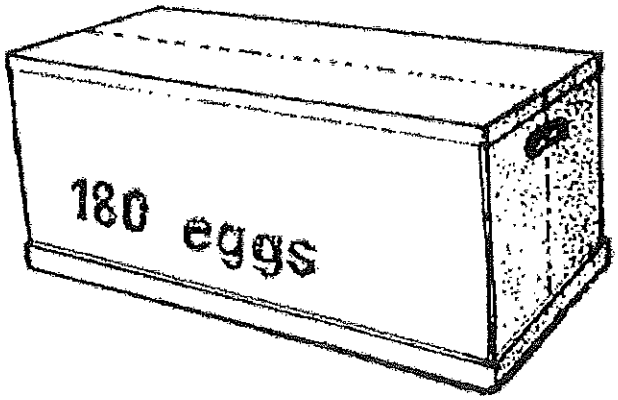
Day 1 - Reasoning

1 Circle **one number** on the grid which can be **divided by 9** with a **remainder of 1**

97	98	99
107	108	109
117	118	119

2 Eggs are put in **trays of 12**





The trays are packed in boxes.

Each **box** contains **180 eggs**.

How many **trays** are in each **box**?

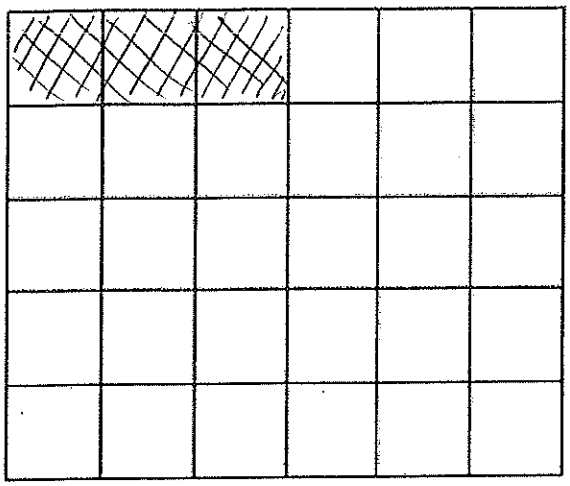
Show your method

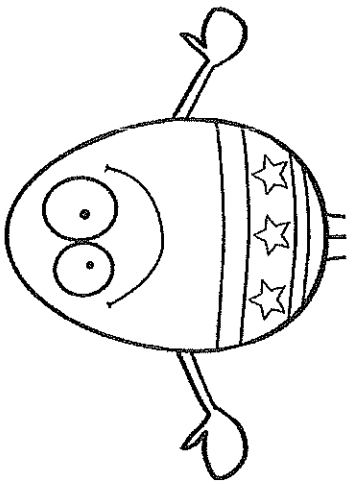
180 ÷ 12 = 15

15 trays

3 Here is a grid made of squares.

Shade **10%** of this grid.

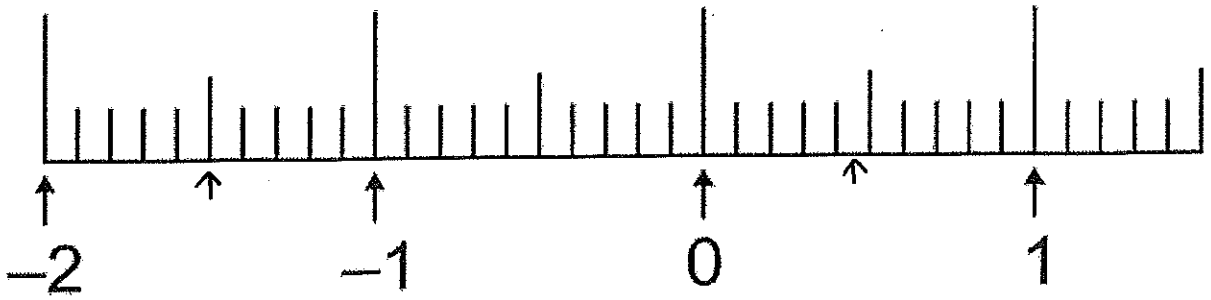




4 Tick (✓) **two** cards that give a **total of 5**

$1\frac{1}{4}$ ✓	$1\frac{1}{2}$	$1\frac{3}{4}$
$3\frac{1}{2}$	$3\frac{3}{4}$ ✓	$4\frac{1}{4}$

5 Mark with arrows the points **–1.5** and **0.45** on the number line.



Day 2 - Arithmetic

1 7.4 + 0.3 =

7.7

1 mark

2 73 x 3

7 3
3 x
2 1 9

219

1 mark

3 15.9 = 2.65 x 6

2.6 5
6 x
1 5.9 0
3 3

1 mark

4 $\frac{3}{6} + \frac{1}{6} =$

$\frac{4}{6}$ or $\frac{2}{3}$

1 mark

5 85% of 480 =

100% 480 | 10% 48 | 1% 4·8

50% 240 | 5% 24

48 × 3 = 144 | 2

240 + 144 + 24 = 408 | 1

408

1 mark

6 7,609 x 44 =

			7	6	0	9	
					4	4	
		3	9	4	3	6	(4 x 7609)
	3	0	4	3	6	0	(40 x 7609)
	3	3	4	7	9	6	

334,796

1 mark

Day 2 - Reasoning

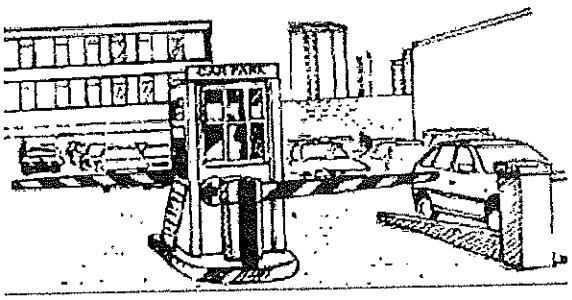
1 Write the correct sign **>**, **<** or **=** in each of the following.

$(10 + 5) - 9$ (6) **<** $(10 + 9) - 5$ (14)

$3 \times (4 + 5)$ (27) **>** $(3 \times 4) + 5$ (17)

$(10 \times 4) \div 2$ (20) **=** $10 \times (4 \div 2)$ (20)

2



Car Park charges	
Time	**Charge**
up to 1 hour	20p
1 to 2 hours	50p
2 to 3 hours	£1.00
3 to 4 hours	£1.70
over 4 hours	£5.00

Emma parks her car at **9.30 am**.

She collects the car at **1.20 pm**.

How much does she pay?

£1.70

Dan and Mark both use the car park.

Dan says,

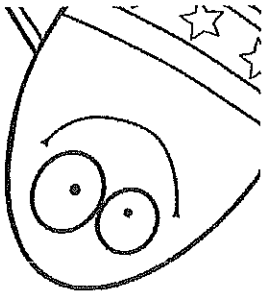
'I paid exactly twice as much as Mark but I only stayed 10 minutes longer'.

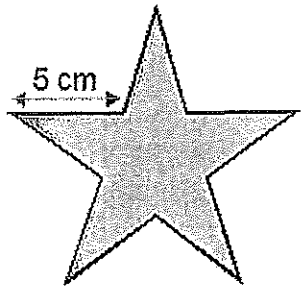
Explain how Dan could be correct.

Mark could have stayed up to 1 hour 59 minutes and Dan would have paid twice as much as it would have been over 2 hours.

3 Millie has some star-shaped tiles.

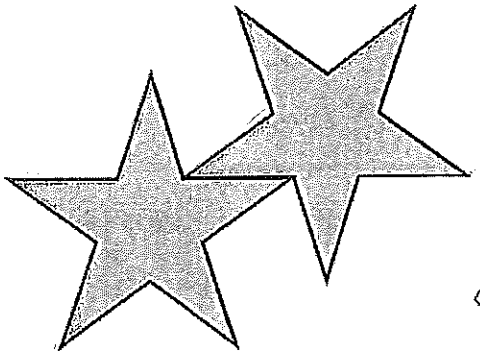
Each edge of a tile is 5 centimetres long.





Not actual size

She puts two tiles together to make this shape.



Work out the perimeter of Millie's shape.

90 **cm**

4 Write these numbers in order, starting with the **smallest**.

0.78 0.607 5.6 0.098 4.003

0.098	0.607	0.78	4.003	5.6

smallest

5 Complete this table by rounding the numbers to the **nearest hundred**.

	Rounded to the **nearest hundred**
20,906	20,900
2,090.6	2100
209.06	200

Day 3 - Arithmetic

1 1086 + 294 =

1380

1 mark

2 63 ÷ 9 =

7

1 mark

3 8,648 + 7,947 =

8 6 4 8
7 9 4 7 +
1 6 5 9 5
1 1

16,595

1 mark

4 $9{,}924 \div 6 =$

$$\begin{array}{r} 1654 \\ 6\overline{)9924} \\ \end{array}$$

1654

1 mark

5 $9 \times 3\frac{1}{4}$

$9 \times 3 = 27$

$9 \times \frac{1}{4} = 2.25$

$(\frac{1}{4}$ of $9)$

29.25

1 mark

6 $\frac{6}{4} \times 130 =$

$\frac{6}{4} = 1\frac{2}{4}$ or $1\frac{1}{2}$

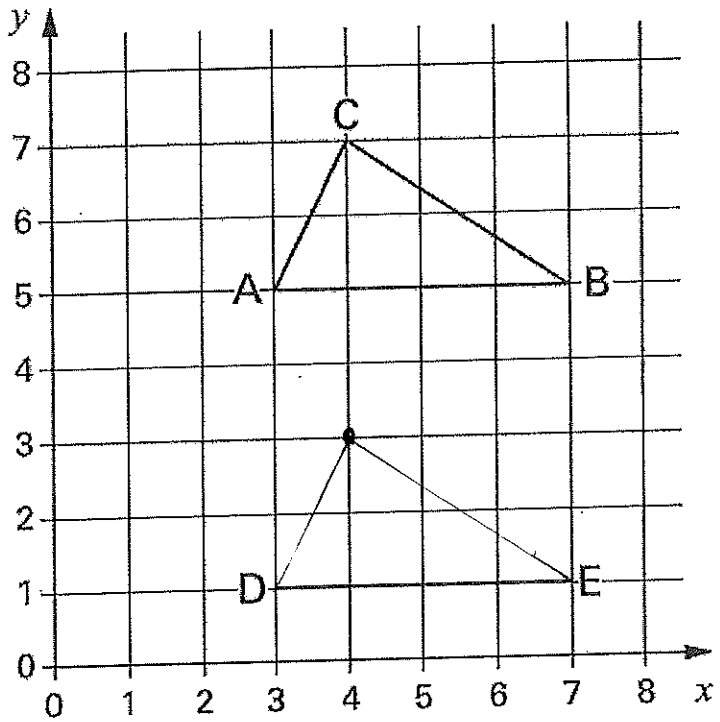
$1\frac{1}{2}$ of $130 = 195$

195

1 mark

Day 3 - Reasoning

1 Kyle has drawn triangle **ABC** on this grid.

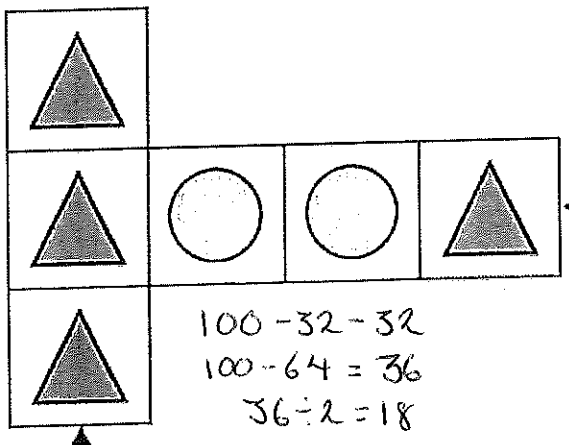


Holly has started to draw an **identical** triangle **DEF**.

What will be the coordintes of point F ?

(4 , 3)

2 Each shape stands for a number.



← **Total 100**

100 - 32 - 32
100 - 64 = 36
36 ÷ 2 = 18

Total 96

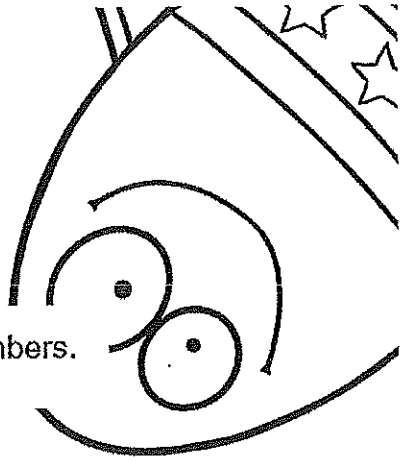
96 ÷ 3 = 32

Work out the **value** of each shape.

△ = 32

○ = 18

3 Here are four digit cards.



7	5	2	1

Choose two cards each time to make the following two-digit numbers.

The first one is done for you.

an even number — 5 2

a multiple of 9 — 2 7

a square number — 2 5

a factor of 96 — 1 2

4 The first two numbers in this sequence are 2.1 and 2.2

The sequence then follows the rule

'to get the next number, add the two previous numbers'

Write in the next two numbers in the sequence.

2.1 2.2 4.3 6.5 10.8 17.3

Day 4 - Arithmetic

1 666 - 8 =

658

1 mark

2 3.7 + 4.008 =

7.708

1 mark

3 12 - 7.06 =

4.94

1 mark

4 $24 \times 24 =$

576

1 mark

5 $1\frac{1}{5} + 1\frac{1}{6} =$

$1\frac{6}{30} + 1\frac{5}{30}$

$2\frac{11}{30}$

1 mark

6 $2 \times 3 \times 4 \times 5 =$

6×20

120

1 mark

Day 4 - Reasoning

1 Complete each sentence using a number **from the list below.**

120 240 600 1,440 3,600 6,000

There are [3600] seconds in an hour.

There are [1440] minutes in a day.

2 Lara chooses a number less than 20

She divides it by 2 and then adds 6

She then divides this result by 3

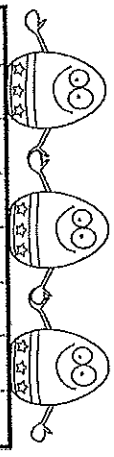
Her answer is 4.5

What was the number she started with?

Show your method

4.5 x 3 = 13.5
13.5 − 6 = 7.5
7.5 x 2 = 15

[15]



3 Write **all** the common multiples of 3 and 8 that are **less than 50**

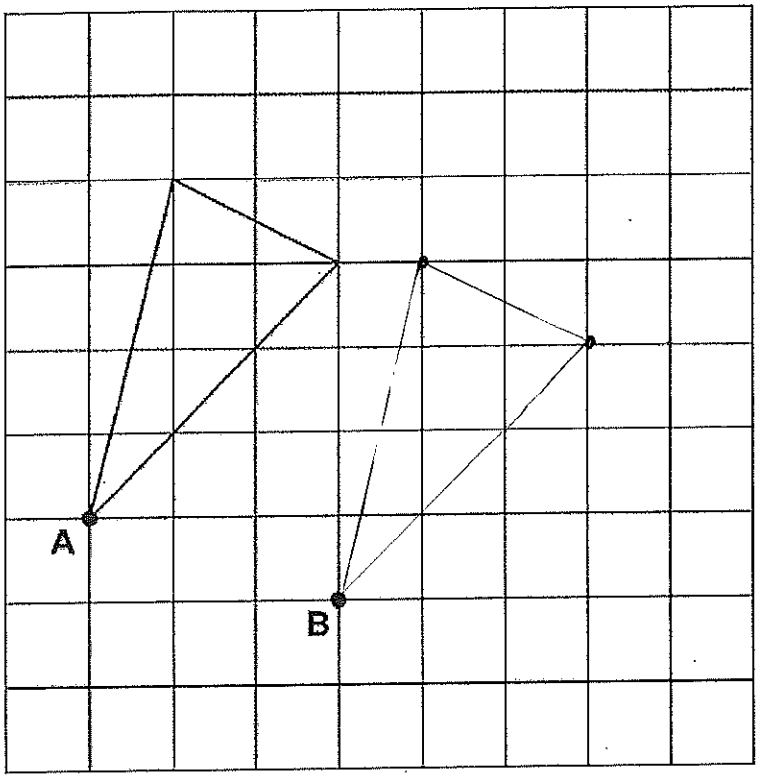
24 48

4 Here is a triangle on a square grid.

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

Draw the triangle in its new position.

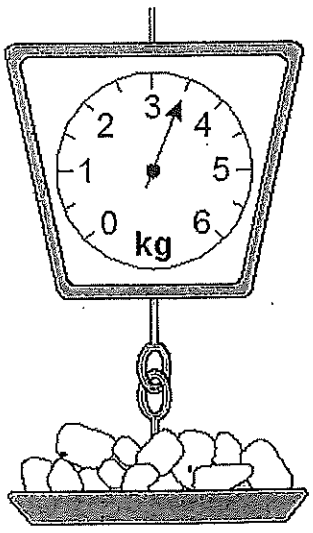
Use a ruler.



5 This table shows the weight of some fruits and vegetables.

Complete the table.

	grams	kilograms
potatoes	3500	3.5
apples	1200	1.2
grapes	250	0.25
ginger	30	0.03



Day 5 - Arithmetic

1 $5 \times 8 \times 9 =$

360

1 mark

2 $\frac{4}{6} + \frac{2}{6} =$

$\frac{6}{6}$ or 1

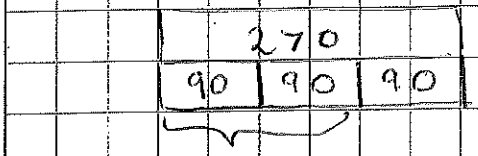
1 mark

3 $43.1 - 8.89 =$

34.21

1 mark

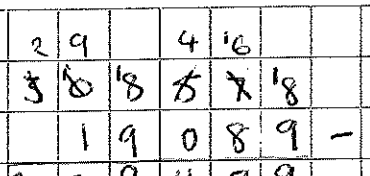
4 $\frac{2}{3}$ of 270 =



180

1 mark

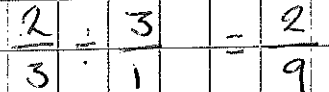
5 308,578 - 19,089 =



289,489

1 mark

6 $\frac{2}{3} \div 3 =$

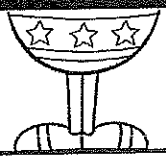


$\frac{2}{9}$

1 mark

Day 5 - Reasoning

1 Write the missing number.



$70 \div$ [20] $= 3.5$

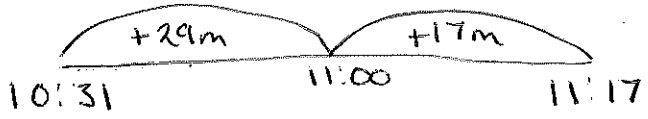
2 Write in the missing digits to make this correct.

	3	4	2
×			6
2	0	5	2

3 Here is part of the bus timetable from Riverdale to Mott Haven.

Riverdale	10:02	10:12	10:31	10:48
Kingsbridge	10:11	10:21	10:38	10:55
Fordham	10:28	10:38	10:54	11:11
Tremont	10:36	10:44	11:00	11:17
Mott Haven	10:53	11:01	11:17	11:34

How many minutes does it take the 10:31 bus from Riverdale to reach Mott Haven?



46 **minutes**

Mr Evans is at Fordham at 10:30

What is the **earliest** time he can reach Tremont on the bus?

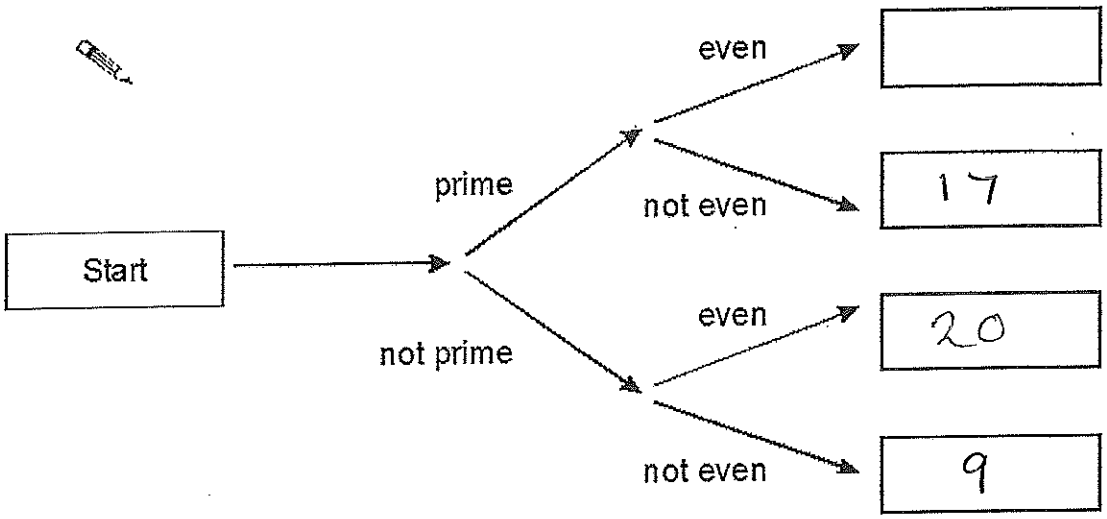
10:44

4 Here is a diagram for sorting numbers.

Write these three numbers in the correct boxes.

You may not need to use all of the boxes.

9 **17** **20**



5 Parveen buys 3 small bags of peanuts.

She gives the shopkeeper £2 and gets 80p change.

What is the cost in pence of one bag of peanuts?

Show your **working.** You may get a mark.

£2 - 80p = £1.20

$$3\overline{)1.20} \quad 40$$

40 p

Day 6 - Arithmetic

1 $540 \div 2 =$

270

1 mark

2 $81 \times 1000 =$

81000

1 mark

3 1 or $\frac{6}{6}$ $= \frac{4}{6} + \frac{2}{6}$

1 mark

4 261,967 - 53,782 =

5 8

2 6 1 9 6 7

5 3 7 8 2

2 0 8 1 8 5

208,185

1 mark

5 3,036 ÷ 11 =

2 7 6

11 | 3 0 3 6

276

1 mark

6 $\frac{1}{5} \times \frac{1}{6} =$

$\frac{1}{30}$

1 mark

Day 6 - Reasoning

1 This table shows the temperature at 9 am on three days in January.

1st January	8th January	15th January
+5°C	–4°C	+1°C

What is the difference between the temperature on 1st January and the temperature on 8th January?

9 °C

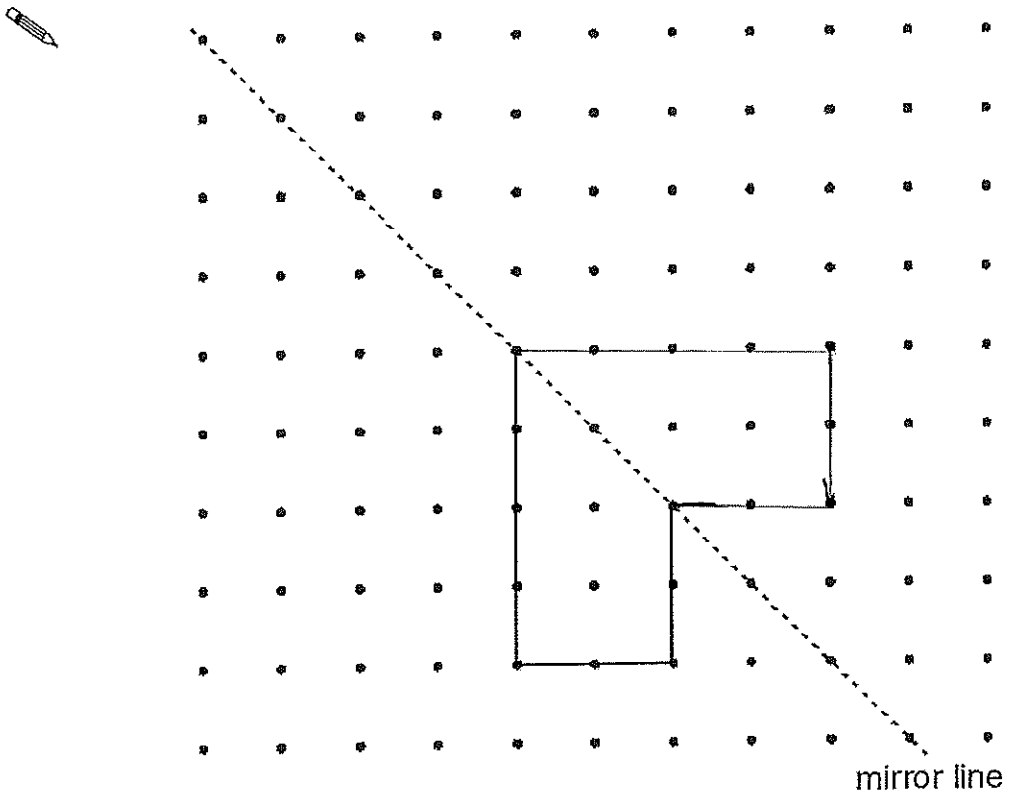
On 22nd January the temperature was 7 degrees lower than on 15th January.

What was the temperature on 22nd January?

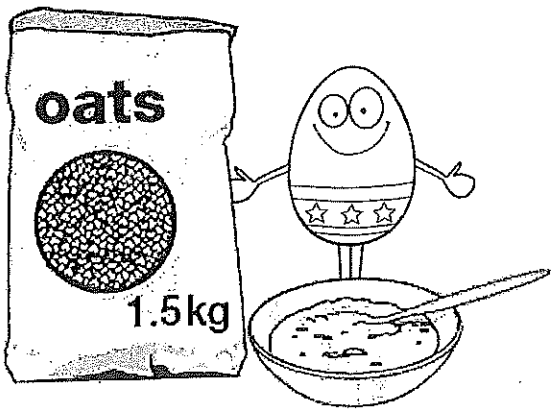
−6 °C

2 Use a ruler to draw the **reflection** of this shape in the mirror line.

You may use a mirror or tracing paper.



3 A packet contains 1.5 kg of oats.



Every day Maria uses 50 g of oats to make porridge.

How many days does the packet of oats last?

Show your method

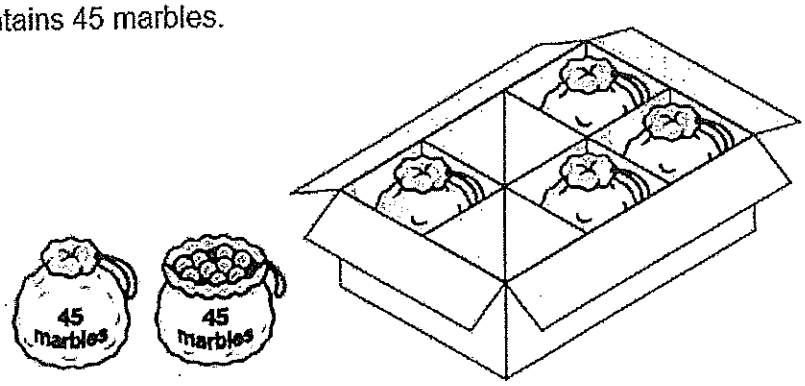
30
50 | 1500

30 days

4 A toy shop orders 11 boxes of marbles.

Each box contains 6 bags of marbles.

Each bag contains 45 marbles.



How many **marbles** does the shop order in total?

45
6 x
270
3

270
11
270
2700
2970

2970 marbles

Day 7 - Arithmetic

1 $3^2 + 13 =$

9 + 13

22

1 mark

2 $50{,}000 - 800 =$

49,200

1 mark

3

			7	6	0	9	
	×				4	4	
		3	0	4	3	6	(×4)
	3	0	4	3	6	0	(×4ø)
	3	3	4	7	9	6	

Show your method

334,796

2 marks

4 $28 - 5 \times 3 =$

15

28 - 15

13

1 mark

5 $35\% \times 440 =$

100% 10% 5%

440 44 22

44 x 5 = 132 + 22 = 152

152

1 mark

6

$$\begin{array}{r} 752 \\ \times \quad 43 \\ \hline 2256 \\ 30080 \\ \hline 32336 \\ 1 \end{array}$$

(x 3) (x 40)

Show your method

32,336

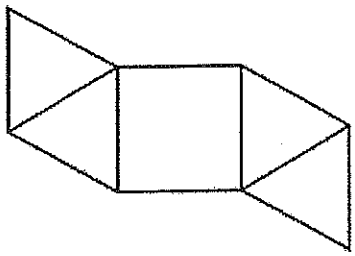
2 marks

Day 7 - Reasoning

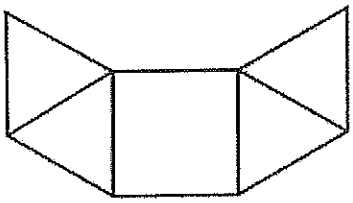
1 Look at each of these diagrams.

Put a tick (✓) if it is the **net of a square based pyramid.**

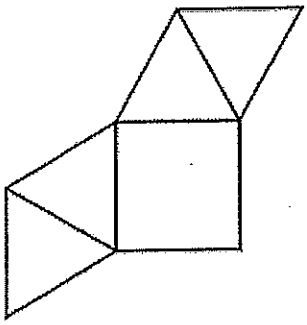
Put a cross (X) if it is **not.**



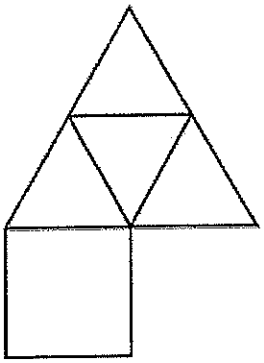
✓



X



✓



✓

2 Julie says,

'I added three odd numbers and my answer was 50'

Explain why Julie cannot be correct.

Two odd numbers added will always make an even number so adding another odd number must equal an odd number because even + odd = odd

3 This thermometer shows temperatures in both °C and °F.

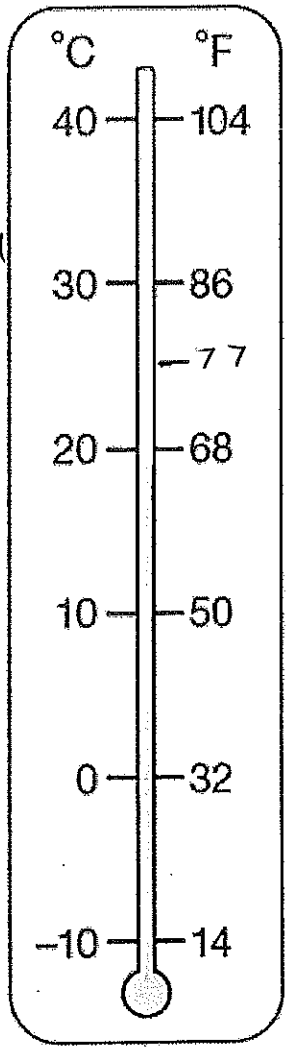
Work out what **25°C** is in °F.

You need to find halfway between 68 and 86

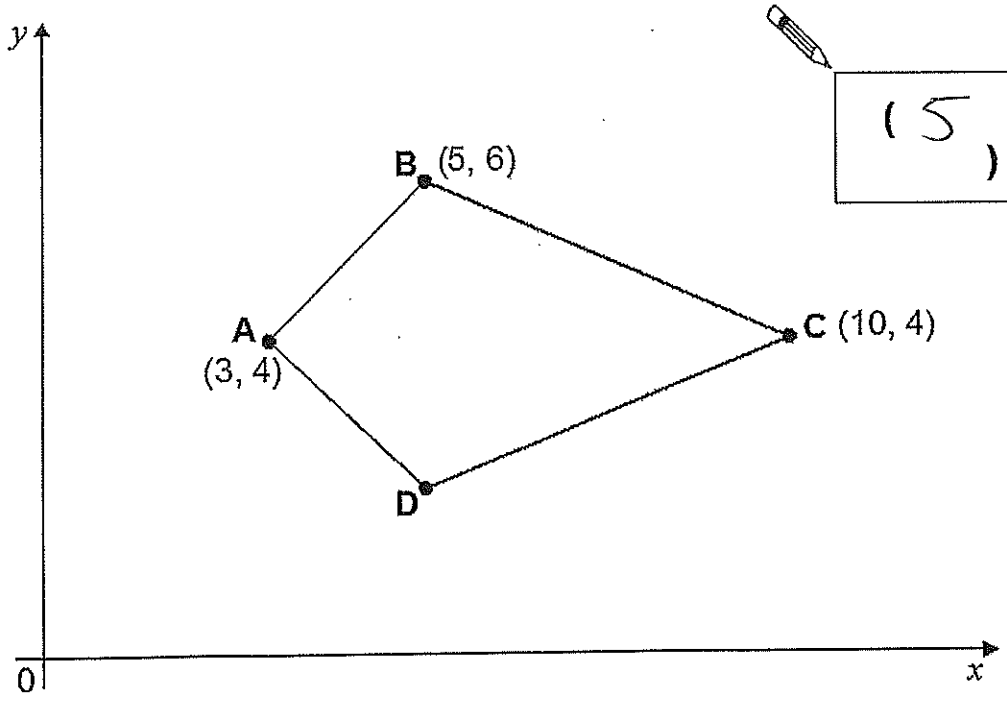
$86 - 68 = 18$

$18 \div 2 = 9$

$68 + 9 = 77$



4 Here is a kite.



(5, 2)

Write the coordinates of point **D**.

Day 8 - Arithmetic

1 50 x 10 =

500

1 mark

2 4096 - 200 =

3896

1 mark

3 Show your method

238

2 marks

4 $\frac{4}{5} + \frac{5}{15} =$

$\frac{12}{15} + \frac{5}{15} = \frac{17}{15}$

$\frac{17}{15}$ or $1\frac{2}{15}$

1 mark

5 $\frac{6}{7} \div 2 =$

$\frac{6}{7} \div \frac{2}{1} = \frac{6}{14}$

$\frac{6}{14}$ or $\frac{3}{7}$

1 mark

6 $2\frac{1}{2} + \frac{1}{3} =$

$2\frac{3}{6} + \frac{2}{6}$

$2\frac{5}{6}$

1 mark

Day 8 - Reasoning

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

_____

2 The numbers in this sequence increase by 30 each time.

20 50 80 110 ...

The sequence continues in the same way.

Which number in the sequence will be **closest to 300**?

Show your method

290

290

3 Here is a number written in Roman numerals.

CXV

Write the number in figures.

115

4 Liam thinks of a number.

He **multiplies the number by 5** and then **subtracts 60** from the result.

His answer equals the number he started with.

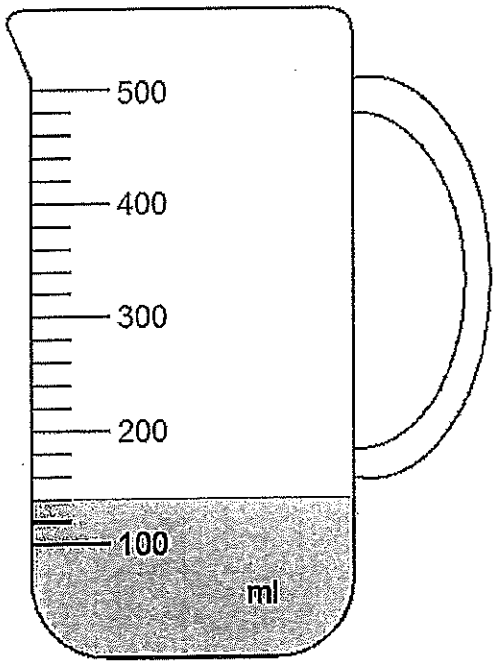
What was the number Liam started with?

Show your **working.** You may get a mark.

15

5 Mr Khan makes a blackcurrant drink for a party.

He pours blackcurrant squash into a jug.



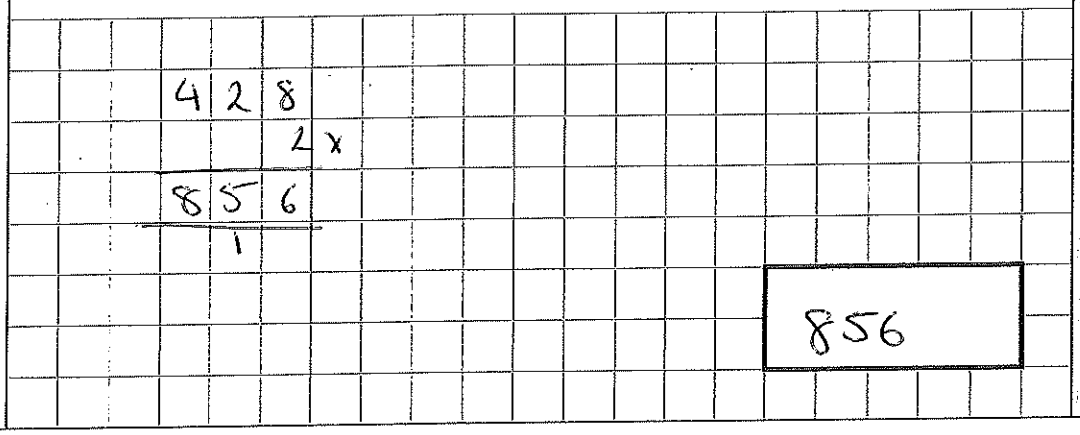
140

How much water must he add to make **500 millilitres** of drink?

360 ml

Day 9 - Arithmetic

1 428 x 2 =



856

1 mark

2 7.9 + 0.42 =

8.32

1 mark

3 120 = 1,320 ÷ 11

1 mark

4 90% of 2,000 =

10% = 200

2000 - 200

1800

1 mark

5 Show your method

181

2 marks

6 $\frac{3}{4} + \frac{3}{12} =$

$\times 3$

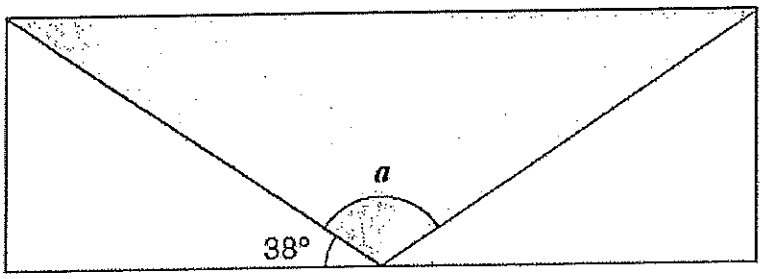
$\frac{9}{12} + \frac{3}{12}$

$\frac{12}{12}$ or 1

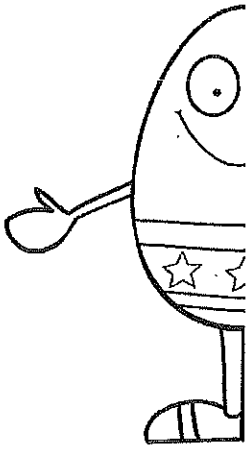
1 mark

Day 9 - Reasoning

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



Not to scale



Calculate the size of angle a.

Show your method

38 + 76 = 114

180 − 76 = 104

104°

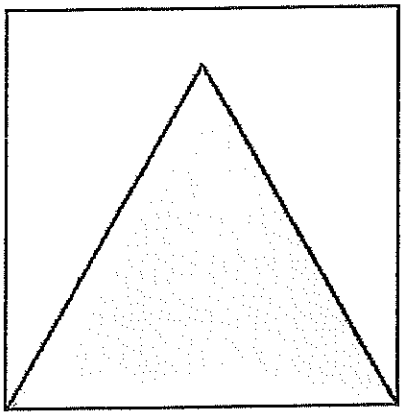
2 Here is a sorting diagram for numbers.

Write a number **less than 100** in each space.

	even	**not** even
a square number	36	25
not a square number	12	19

all sides =

3 Here is an equilateral triangle inside a square.



Not actual size.

The perimeter of the triangle is 48 centimetres.

What is the perimeter of the **square**?

48 ÷ 3 = 16
16 × 4 = 64

64cm

4 This table shows the number of people living in various towns in England.

Town	Population
Bedford	82,448
Carlton	48,493
Dover	34,087
Formby	24,478
Telford	166,640

What is the **total** of the numbers of people living in Formby and in Telford?

24 478
166 640 +
191 118

191,118

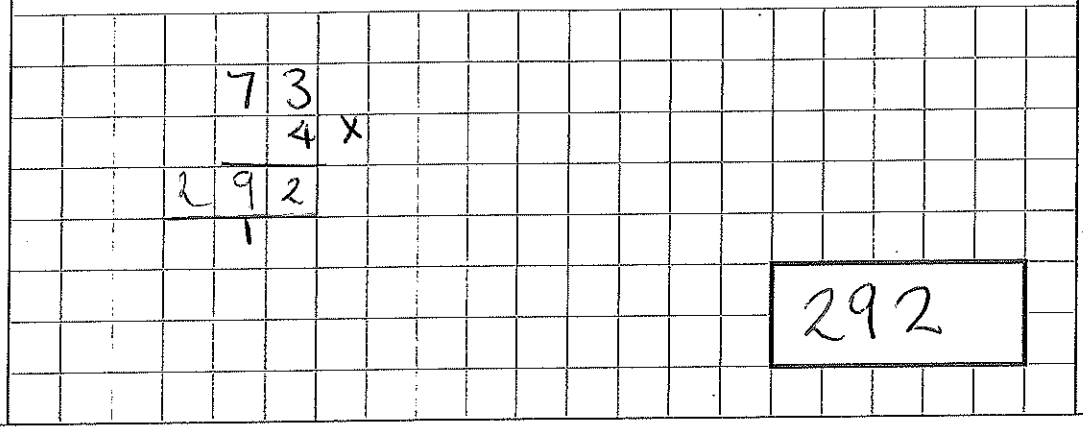
What is the **difference** between the numbers of people living in Bedford and in Dover?

82 448
34 087 −
48 361

48,361

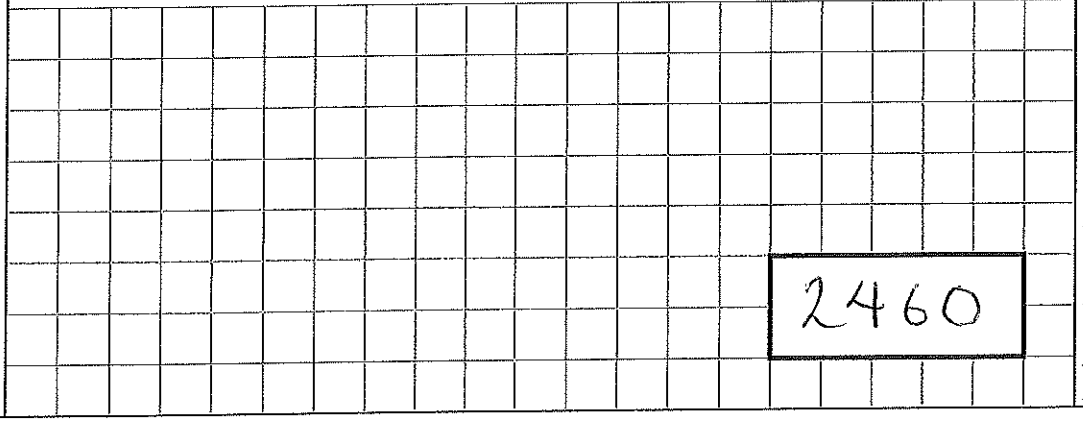
Day 10 - Arithmetic

1 73 x 4 =



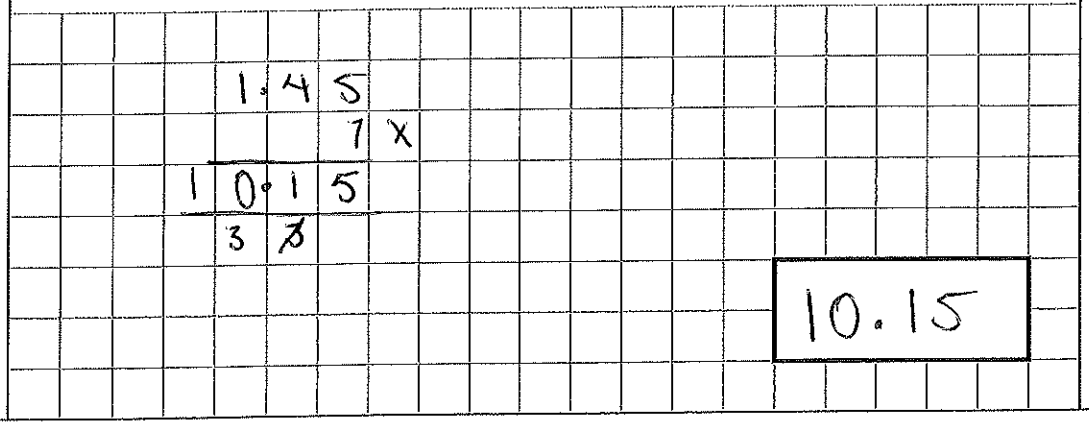
1 mark

2 2,067 + 393 =



1 mark

3 1.45 x 7



1 mark

4 $\frac{4}{6} - \frac{1}{3}$ =

$\frac{4}{6} - \frac{2}{6}$ (×2)

$\frac{2}{6}$ or $\frac{1}{3}$

1 mark

5 2,598 x 75 =

2598 × 75

2598 × 5 = 12990

2598 × 70 = 181860

12990 + 181860 = 194850

194850

1 mark

6 20.1 ÷ 1000 =

0.0201

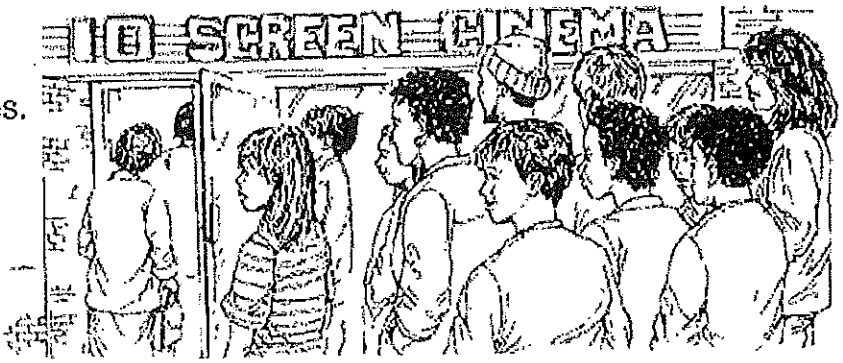
1 mark

Day 10 - Reasoning

1 A film starts at 6:45pm.

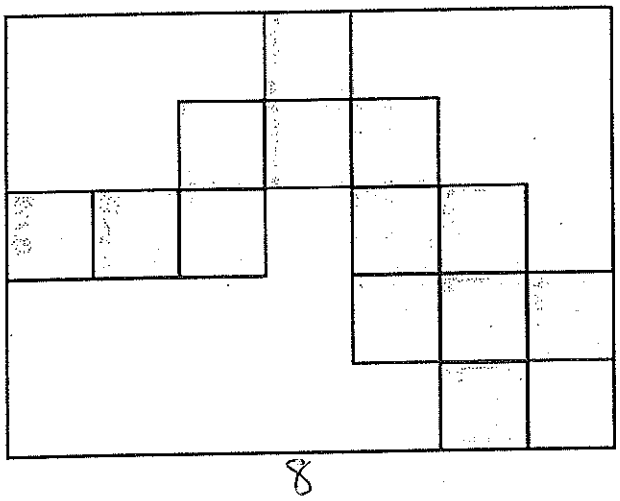
It lasts 2 hours and 35 minutes.

What time will the film finish?



9:20 pm

2 Here is a rectangle with 13 identical shaded squares inside it.



What fraction of the rectangle is shaded?

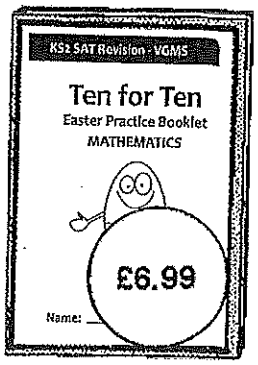
$\frac{13}{40}$

3 Write in the missing number.

50 ÷ 20 = 2.5

4

Book Sale
Any 3 books for £14.50



Lee bought **these three** books in the sale for **£14.50**

How much money did he save altogether compared to the **full price** of the books?

Show your **working.** You may get a mark.

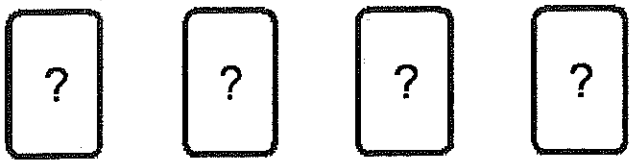
4 + 6 + 7 = £17 − 3p = £16.97

16.97
14.50 −
2.47

£2.47

5 Debbie has a pack of cards numbered from 1 to 20

She picks four different number cards.

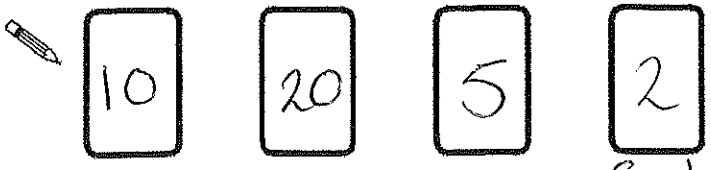


Exactly three of the four numbers are multiples of 5

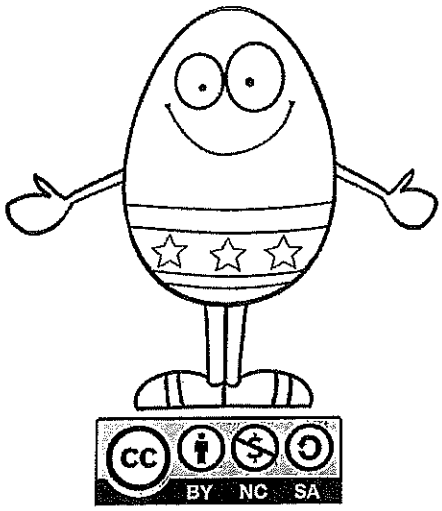
Exactly three of the four numbers are even numbers.

All four of the numbers add up to less than 40

Write what the numbers could be.



Could be 2 or 4



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