

NUMERACY

7EP13

First name ANSWERS

Last name 30 minute test

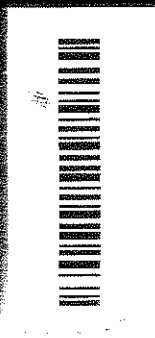
School NON - Calculator

Class _____

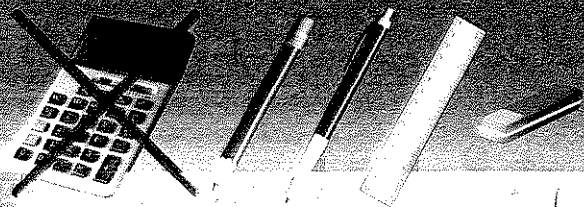
Date of birth

Date of test

Total score (maximum 35)

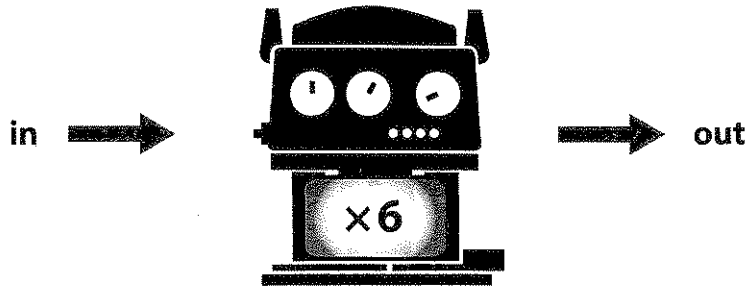


National Numeracy Tests



Llywodraeth Cymru
Welsh Government

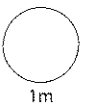
1 Number machine:



8 goes **in**. What number comes out?

$$8 \times 6 =$$

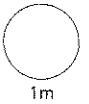
48



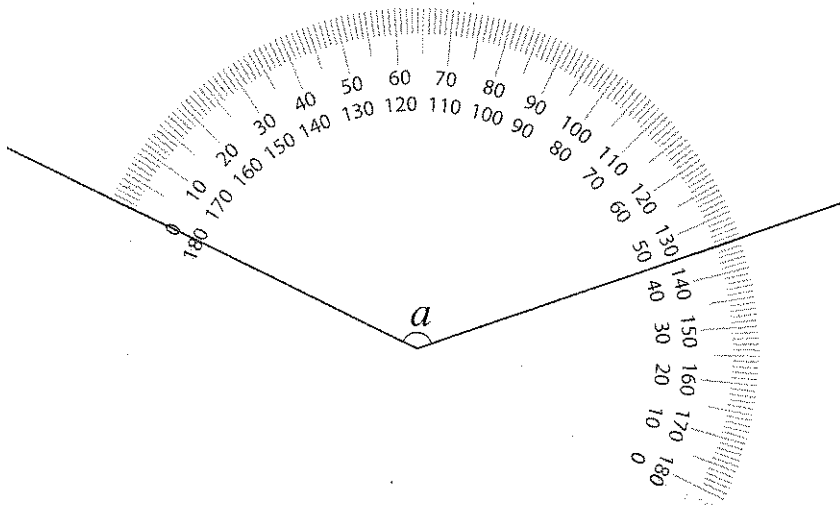
120 comes **out**. What number went in?

$$120 \div 6 =$$

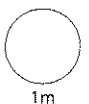
20



2 What is the size of angle a ?



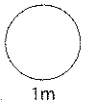
$a = 135^\circ$



(accept any answer for 134-136)

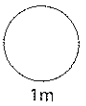
3 Circle all the **factors** of 12

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



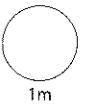
Write two **multiples** of 12

24	and	48
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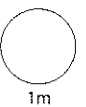
4 Write **double** five hundred thousand in figures.

1,000,000



Write **half** of three hundred thousand in figures.

150,000



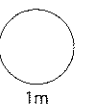
5 Carys has £120

She spends £49.99

How much is left?

$$\begin{array}{r} 120.00 \\ - 49.99 \\ \hline 70.01 \end{array}$$

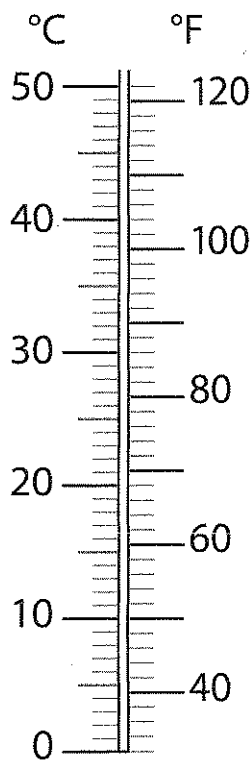
£ 70.01



TOTAL

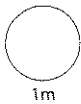
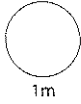


6



$$10^{\circ}\text{C} = \boxed{50}^{\circ}\text{F}$$

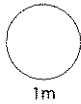
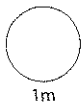
$$\boxed{30}^{\circ}\text{C} = 86^{\circ}\text{F}$$



7

$$0.15 + \boxed{0.85} = 1$$

$$0.675 + \boxed{0.325} = 1$$

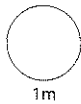


8

£1.98 £2.05 £7.48 £9.90 £4.53
 2 2 87 10 45

Estimate the total amount.

$$\boxed{\text{£ } 26}$$



Accept any answer
 between 25-27

9 Circle all the numbers that are divisible by **both** 4 and 5

8	10	20
50	80	120

1m

10

$$(4 \times 3) + (7 \times 3) =$$
$$12 + 21$$

33

1m

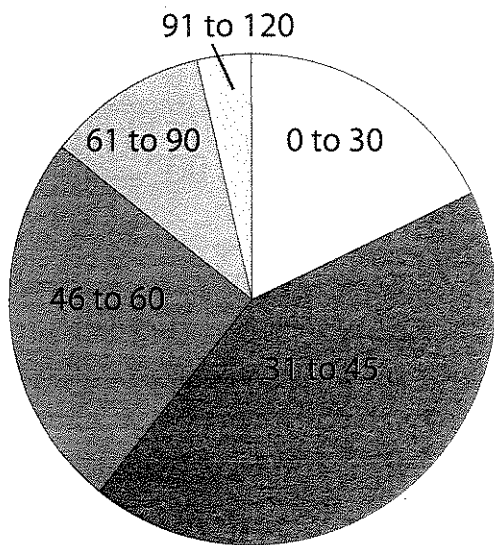
(BIDMAS)

11 Round 0.8127 to 3 decimal places.

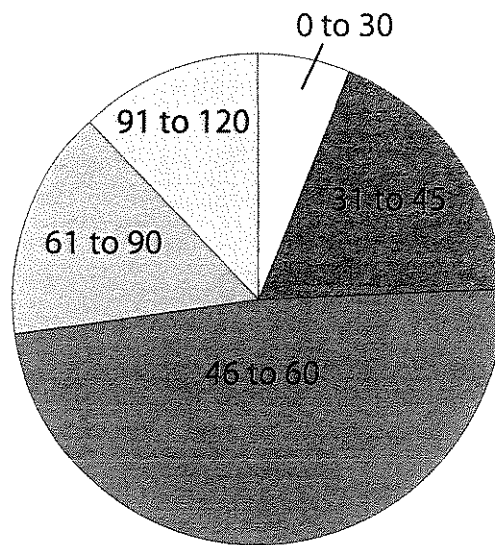
0.813

1m

Homework time at the weekend (in minutes)



Group A



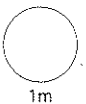
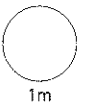
Group B

Group has a **modal** class of 31 to 45 minutes.

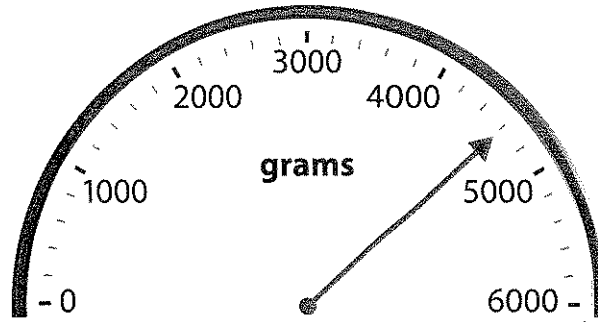
Group spends **more** time on homework in general.

Complete this sentence for Group A.

$\frac{1}{4}$ of the pupils did homework for to minutes.

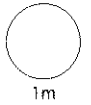


13



How many **grams** does the arrow show?

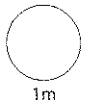
4600 grams



1m

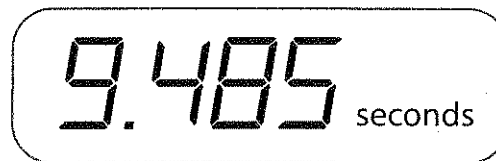
Write this in **kilograms**.

4.6 kilograms



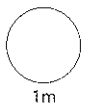
1m

14



Round this time to the nearest **tenth** of a second.

9.5 seconds



1m

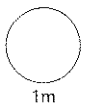
15

$$17 \div 0.5 =$$

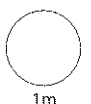
34

$$3 \div 0.2 =$$

15



1m



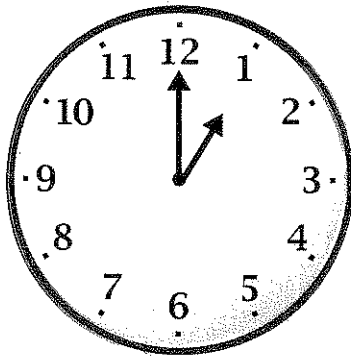
1m

TOTAL



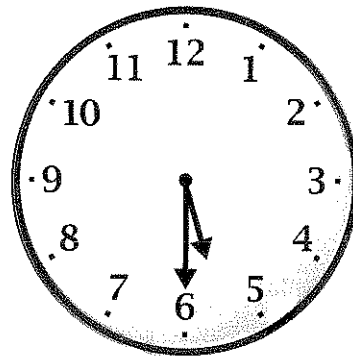
7m

London



pm

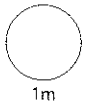
Mumbai



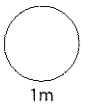
pm

The time in London is $4\frac{1}{2}$ hours **behind** the time in Mumbai.

At **6:45** **am** in London, it is **11:15** **am** in Mumbai.



At **9:30** **am** in London, it is **2:00** **pm** in Mumbai.

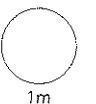


$$\boxed{\frac{3}{5}} = \boxed{0.6} = \boxed{60\%}$$

Fraction

Decimal

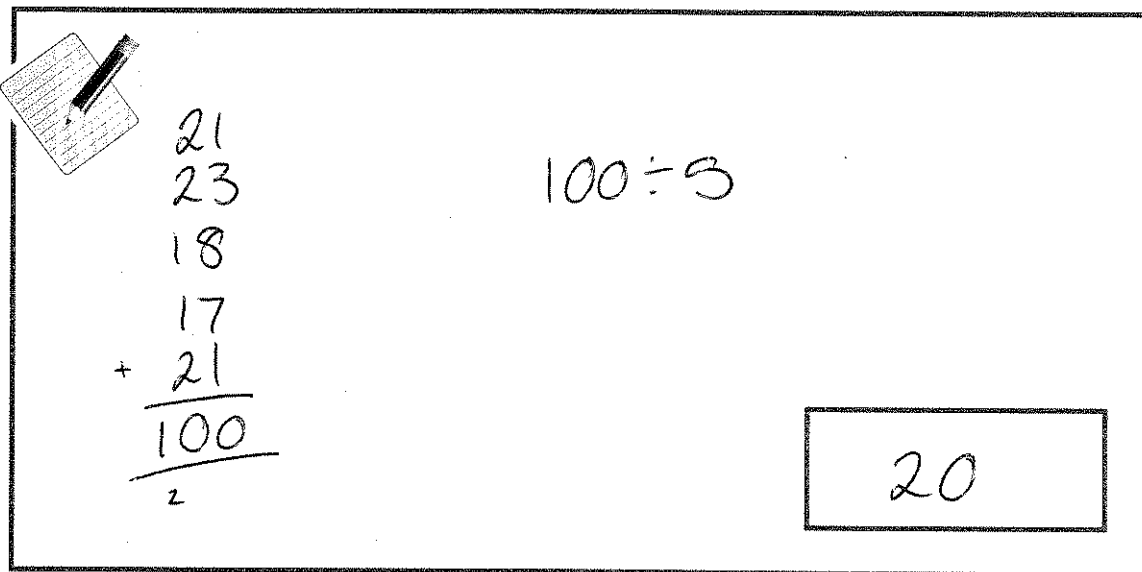
Percentage



18 Scores on a computer game:

21 23 18 17 21

What is the **mean** score?

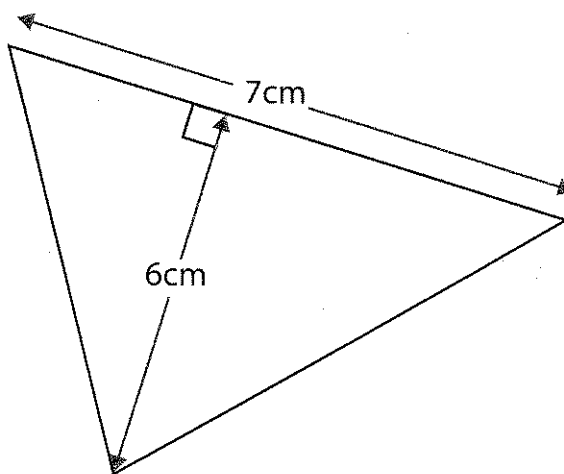


A rectangular box containing a handwritten solution. On the left, there is a small icon of a notepad and pencil. The numbers 21, 23, 18, 17, and 21 are listed vertically. To their right is the equation $100 \div 5$. Below the list of numbers is a vertical addition: $+ \frac{21}{\underline{100}}$ with a '2' written below the line. To the right of this is another box containing the number 20.

2m

(1 mark for 100 seen or $\div 5$)

19 Work out the **area** of the triangle.



$$\frac{7 \times 6}{2} = \frac{42}{2}$$


21 cm²

1m

TOTAL

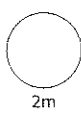
5m

20 Work out $352 \div 16$


$$16 \overline{) 352} \begin{array}{r} 22 \\ 32 \\ \hline 32 \\ \hline 0 \end{array}$$

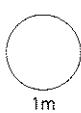
multiples of 16: 16, 32, 48, ...

22



21 Complete the table.

Map distance	Real-life distance	Scale
1cm	1m	1 : 100
8cm	240cm	1 : <u>30</u>



22 Write in order.

$$\frac{1}{3}$$

$$\frac{1}{5}$$

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

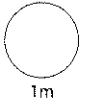
$$\frac{1}{5}$$

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

$$\frac{1}{3}$$

smallest

largest



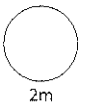
23 There are 150 books on a bookshelf.

2% of the books are about cars.

How many of the books are about cars?

$1\% = 1.5$
 $2\% = 3$

3 books



(1 mark for 1.5 seen)

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