

National Numeracy Tests

PROCEDURAL

5EP17

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ 05 2017

Total score (maximum 35)



150269



Llywodraeth Cymru
Welsh Government

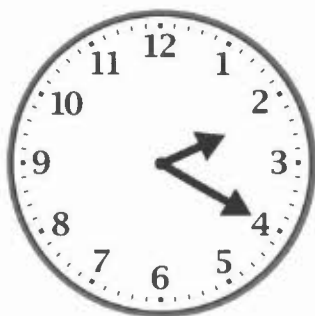
1

$$199 + 54 = \boxed{}$$

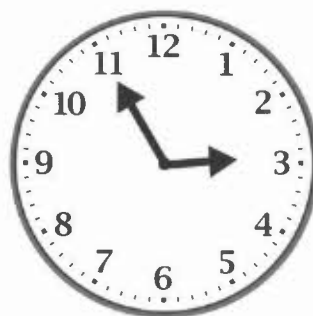


2

Swimming lesson
starts



Swimming lesson
finishes



The swimming lesson lasts for

minutes.



3

Circle the number below that is in **both** the
4-times table and the 6-times table.

16

20

24

28

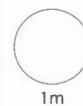
32



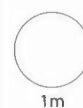
4 $\frac{1}{7}$ of 14 = 2 so $\frac{3}{7}$ of 14 =



5 $90 \div 10 =$



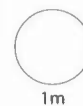
$4.3 \times 100 =$



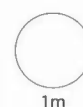
6 Here are four number cards:



Use **three** of the cards to make the **smallest** number possible.



Use all four of the cards to make the **biggest even** number possible.



7



Height 4.1 metres



Height 2.9 metres

Write the **difference** in height between these two elephants in metres.

 metres


Now write the difference in **centimetres**.

 centimetres


8

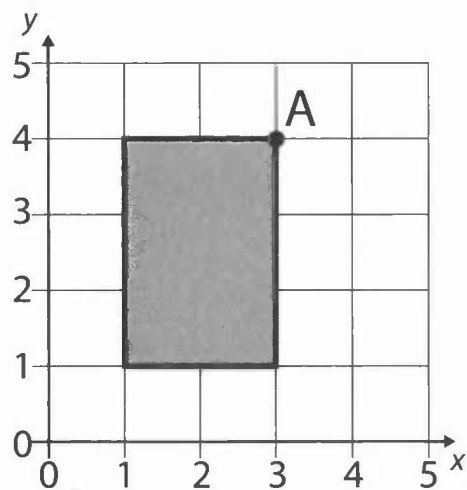
$$347 + 283 =$$



$$460 - 167 =$$



- 9 This rectangle is on a centimetre square grid.



Write the **co-ordinates** of the point marked A.



1m

What is the **area** of the rectangle?



1m

10

7000 metres =



1m

11

One-quarter of 900 =



1m

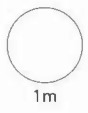


12 Joe gets home from school at 4 : 08pm.

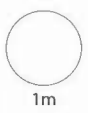
He left school **28 minutes earlier.**

What time did he leave school?

_____ : _____ pm



13 Write the number that is **halfway** between 3.6 and 3.7



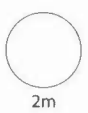
14 Beca has £20

She buys a game for £7.99 and a book for £6.50

How much money is left?

 _____

£ _____



15



Height of ship 57.3 metres

Round the height to the **nearest ten** metres.

metres

1m

16 Information:

- 90 babies were born in a hospital
- **half** of them were boys
- 20 boys weighed less than 3kg
- 50 babies weighed less than 3kg

Use the information to complete the table.

	Number of boys	Number of girls
Less than 3kg	20	
3kg or more		

2m

TOTAL

7m

17



Fridge temperature 5°C

Freezer temperature -18°C

The fridge is warmer than the freezer.

How much warmer?

 $^{\circ}\text{C}$


18 There are **five** 20p coins in $\pounds 1$

Work out how many 20p coins are in $\pounds 135$

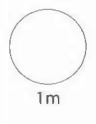


coins



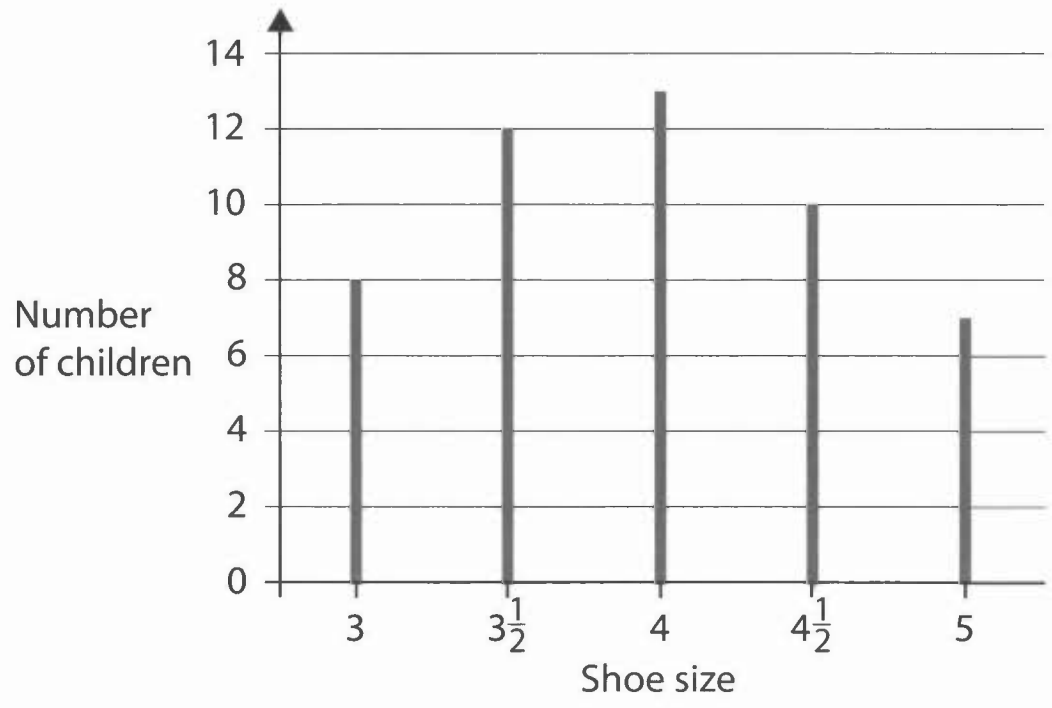
19

$$208 \div \boxed{} = 52$$

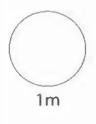


20

Shoe size of children at a club



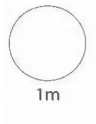
How many of the children have a shoe size of 4 or more?



What is the **range** of the children's shoe sizes?

Circle the correct answer.

- 2 3 5 6



21



Cost

3 packs for £8.25

What do 9 packs of this paper cost?

1m

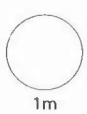
22 Write the missing numbers in the table.

Fraction	Decimal
$\frac{1}{2}$	0.5
	0.25
$\frac{3}{4}$	
	0.1

1m

1m

23 Maryam thinks of a number.
She doubles it, then subtracts 3
The answer is 57
What was her number?

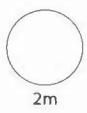


24



4 friends buy tickets for a show.
The total cost is £72
How much do 5 tickets cost?

An icon of a notepad with a pen resting on it, indicating a workspace for the student's work.



TOTAL



National Numeracy Tests

PROCEDURAL

5EP17MS

Markscheme



150270



Llywodraeth Cymru
Welsh Government

5EP17 Procedural test: Markscheme

Q	Marks	Answer	Comments
1	1m	253	
2	1m	35 minutes	Accept 34 to 36 inclusive
3	1m	16 20 (24) 28 32	Accept any unambiguous indication, e.g. 24 ticked
4	1m	6	
5i	1m	9	
5ii	1m	430	
6i	1m	567	
6ii	1m	8756	
7i	1m	1.2 metres	Accept equivalent fractions and decimals, but do not accept 1 metre 20 centimetres or 120 centimetres
7ii	1m	120 centimetres Or Their answer to 7i correctly converted to centimetres	Example: From an answer of 1.4 metres in 7i, accept 140 centimetres
8i	1m	630	
8ii	1m	293	
9i	1m	(3, 4)	
9ii	1m	6cm ²	
10	1m	7 kilometres	
11	1m	225	

Q	Marks	Answer	Comments
17	1m	23°C	Do not accept -23°C
18	2m	675 coins	
	Or 1m	Shows 5×135 Or Shows $13\,500 \div 20$ or equivalent	Do not accept repeated addition Examples for 1m: $1350 \div 2$ $135 \div 0.2$
19	1m	4	
20i	1m	30 children	
20ii	1m	<u>2</u> 3 5 6	Accept any unambiguous indication, e.g. 2 underlined
21	1m	£24.75	
22i	1m	$\frac{1}{4}$ and 0.75 correct	Both correct for the mark Accept equivalent fractions for $\frac{1}{4}$ but not decimals Do not accept equivalent fractions for 0.75
22ii	1m	$\frac{1}{10}$ correct	Accept equivalent fractions, but not decimals
23	1m	30	
24	2m	£90	
	Or 1m	Shows 18 Or Incorrect answer, but shows a method that would lead to £90 if calculated correctly, with not more than one numerical error	Example of a correct method: Half of 72 = 36, half of 36 = 19 (error), $5 \times 19 = 95$