1 Calculate **8.52 – 7.78**

1 mark

2 Children run a 100 metres race on Sports Day.

Here are their times.

Name	Time taken
Sue	**15.97 secs**
Jan	**16.39 secs**
Sam	**14.83 secs**
Tom	**17.00 secs**
Raj	**15.89 secs**

What is the **winner's** time?

secs

1 mark

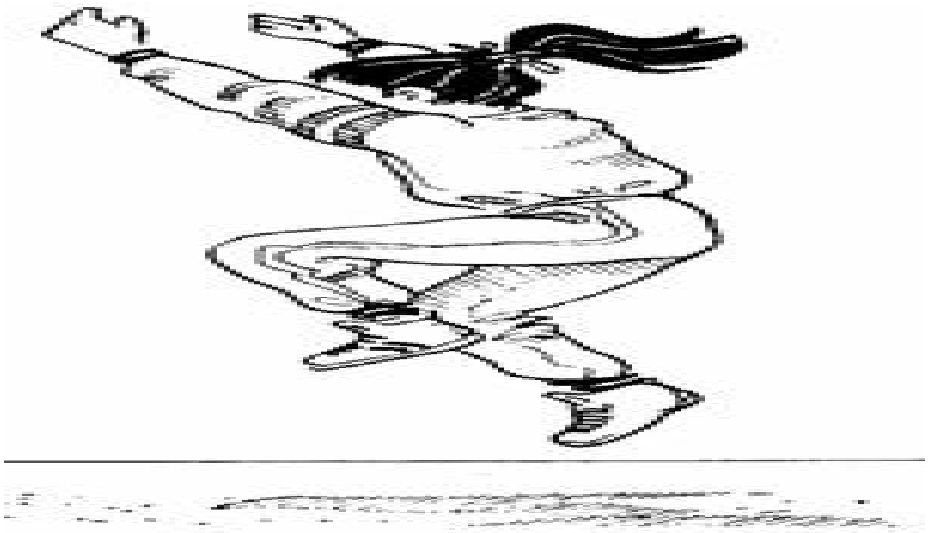
Who has the time **nearest** to 16 seconds? .....

1 mark

Here are their long jump results.

Sue jumped **212 cm**.

Draw Sue's long jump result on the graph.



1 mark

Use the graph to estimate how **much further** Sam jumped than Jan.

cm

1 mark

3 Write in the missing numbers.

(a) $3.42 + 12.7 =$ ☐

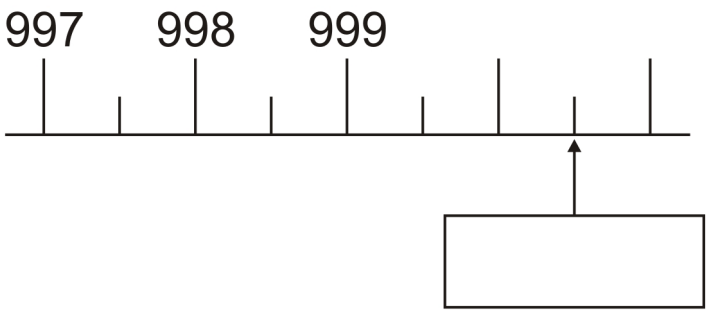
1 mark

(b) $32.62 \div 10 =$ ☐

1 mark

4 Here is part of a number line.

Write the number shown by the arrow.



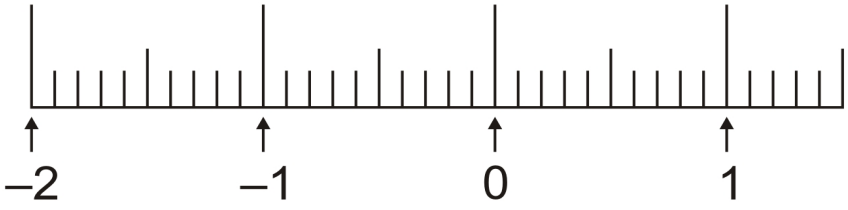
1 mark

5 $0.4 = \frac{?}{100}$

☐

1 mark

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



2 marks

7 Circle **two** numbers which **add** to make **0.12**

0.1 **0.5** **0.05** **0.7** **0.07** **0.2**

1 mark

8 Circle the **two** numbers which add up to **1**.

0.1 **0.65** **0.99** **0.45** **0.35**

1 mark

9 63.6 × 7 =

1 mark

10 Calculate **8.6 − 3.75**

1 mark

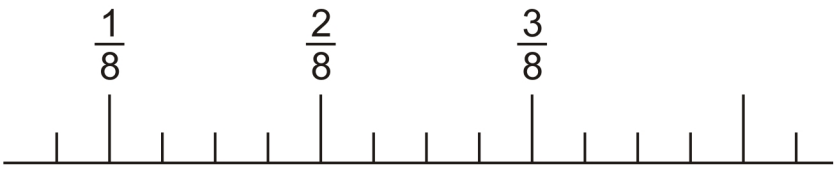
11 Write the missing number.

$12.5 \div \square = 7.5 \div 1.5$

1 mark

12 Here is a number line.

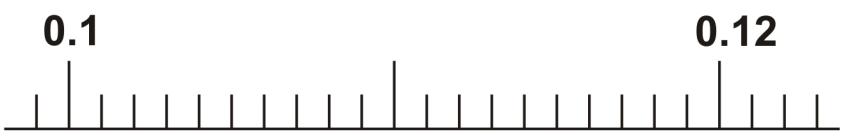
Draw an arrow to show the position of $\frac{13}{32}$



1 mark

Here is another number line.

Draw an arrow to show the position of **0.111**



1 mark

13 Write three decimals, **each greater than zero**, which add together to make a total of **0.01**

☐ + ☐ + ☐ = **0.01**

1 mark

14 Write these numbers in order of size, starting with the **smallest**.

1.01	1.001	1.101	0.11
☐	☐	☐	☐

smallest

1 mark

Which one of these fractions is **closest in value to** $\frac{1}{3}$**?**

$\frac{10}{31}$ $\frac{20}{61}$ $\frac{30}{91}$ $\frac{40}{121}$ $\frac{50}{151}$

☐

1 mark

15 Place these numbers in order of size, starting with the **smallest.**

0.19	**0.9**	**0.091**	**0.109**
☐	☐	☐	☐

smallest **largest**

1 mark

Place these fractions in order of size, starting with the **smallest.**

$\frac{1}{2}$	$\frac{1}{3}$	$\frac{5}{12}$	$\frac{5}{6}$
☐	☐	☐	☐

smallest **largest**

1 mark

16 Calculate 52.85 + 143.6

1 mark

17 Write these numbers in order, starting with the smallest.

8.12 1.8 8.118 8.2 1.28

smallest

1 mark

18 Circle the number **closest** in value to **0.1**

0.01 **0.05** **0.11** **0.2** **0.9**

1 mark

19 Write in the missing numbers.

One is done for you.

$0.321 = \frac{321}{1000}$ $2.433 = \frac{\square}{1000}$

$\frac{\square}{} = \frac{457}{1000}$ $\frac{\square}{} = \frac{23}{1000}$

2 marks

20 $0.6 = \frac{?}{20}$

1 mark

21 Calculate **8.6 − 3.75**

Answer

1 mark

Mark schemes

1 0.74

Accept also .74

***Do not** accept 74*

[1]

2 (a) 14.83 *Accept Sam. If box is blank accept answer written elsewhere such as unambiguous indications on the table.*

1

(b) Sue *Accept 15.97 secs OR 15.97. If box is empty accept alternative forms such as unambiguous indications on the table.*

1

(c) Bar line drawn to anywhere between 200 and 225, EXCLUSIVE
(ie bar must not end on 200 or 225 lines).

1

(d) Answer in the range 55 to 65 INCLUSIVE.

1

[4]

3 (a) 16.12

1

(b) 3.262

1

[2]

4 1000 ½ **OR** 1000.5

Accept the answer in words, eg

- *'1000 and a half'.*

[1]

5 40

[1]

6 The gradation corresponding to –1.5 correctly indicated on the number line

1

It is not necessary for the point to be labelled –1.5.

It is not necessary for the point to be marked with an arrow.

A point corresponding to 0.45 correctly indicated on the number line

1

It is not necessary for the point to be labelled 0.45.

*Accept any point marked that is clearly **between** the gradations for 0.4 and 0.5.*

It is not necessary for the point to be marked with an arrow.

[2]

7 0.1 0.5 (0.05) 0.7 (0.07) 0.2

Accept alternative indications, eg the numbers crossed or underlined.

[1]

8 0.1 (0.65) 0.99 0.45 (0.35)

[1]

9 445.2

[1]

10 4.85

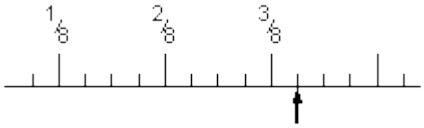
[1]

11 2.5

Accept equivalent fractions or decimals

[1]

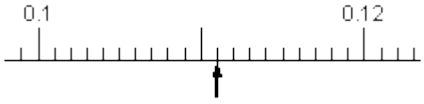
12 (a) Arrow or other mark as indicated.



Accept slight inaccuracies provided the intention is clear.

1

(b) Arrow or other mark as indicated.



1

[2]

13 Any three decimals which add to make 0.01, eg

0.005 + 0.002 + 0.003

Accept $0.00\dot{3} + 0.00\dot{3} + 0.00\dot{3}$

[1]

14 (a) 0.11 | 1.001 | 1.01 | 1.101

All in correct order.

1

(b) $^{50}/_{151}$

1

[2]

15 (a) 0.091 | 0.109 | 0.19 | 0.9

All four numbers in their correct places.

1

(b) 1/3 | 5/12 | 1/2 | 5/6

All four numbers in their correct places.

1

[2]

16 196.45

[1]

17 Numbers in order, as shown:

1.28 1.8 8.118 8.12 8.2

[1]

18 0.01 0.05 (0.11) 0.2 0.9

Accept unambiguous alternatives, eg the number crossed or underlined.

[1]

19 All three correct

$$\frac{2433}{1000}$$

0.457

0.023

2

or

Any 2 correct

1

[2]

20 12

[1]

21 4.85

[1]