


Name:

Date:

 28
total marks

Year 4 Reasoning Test Set 3 Paper A

1. a) Write the number that is 100 more than 1963.

1 mark

b) What number is ten less than 1009?

1 mark

2. Write the 2 missing digits to make this addition correct:

$$\begin{array}{r} 2\boxed{0}73 \\ + 19\boxed{0}8 \\ \hline 4381 \end{array}$$

2 marks

3. Write these two numbers in numerals, using an appropriate symbol to compare the numbers:

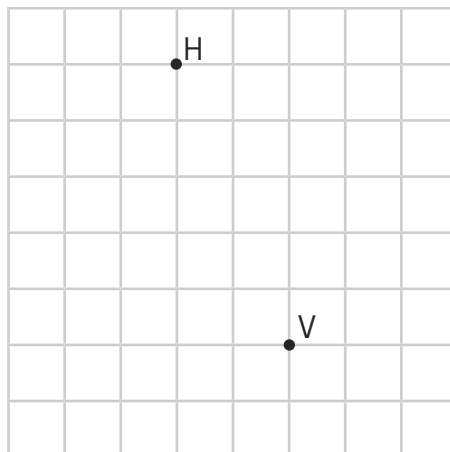
seven thousand and seventeen

seven thousand and seventy

_____ _____

2 marks

4. On the grid below draw a horizontal line through point H and a vertical line through point V:



1 mark

total for this page

5. Explain how you would calculate the answer to $84 \times 7 =$

1 mark

6. a) Measure the length of the following line in millimetres:



1 mark

b) What is the difference between the length of this line and the line above?



1 mark

7. Write all the factor pairs for the number 28.

1 mark

8. Complete the following equivalent fractions:

$$\frac{\boxed{}}{100} = \frac{3}{10} = \frac{300}{\boxed{}}$$

1 mark

9. Circle any number that has a 6 in the hundreds place:

6106

7610

2861

9061

1615

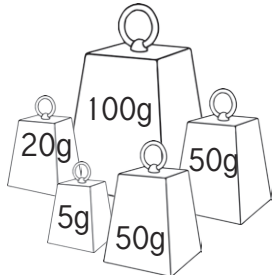
1 mark

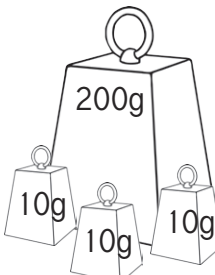
total for this page

14. A teacher empties 3 complete packs of pencils into a pot and counts 21 pencils. How many pencils would be in 8 complete packs of pencils?

2 marks

15. Here are 2 sets of weights. Tick the heavier set.

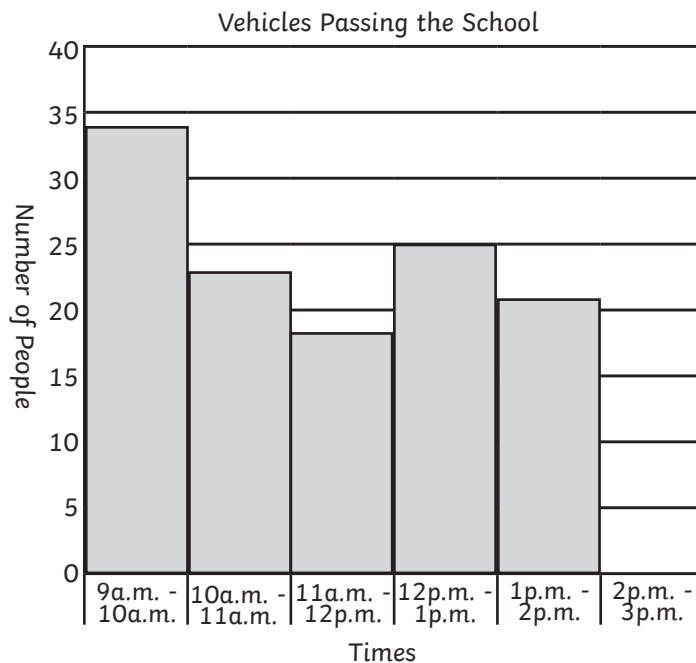




1 mark

16. a) Some children record the number of vehicles that pass a school each day. Here is a table of the results. Complete the table and the bar chart.

Time	vehicles
9a.m. - 10a.m.	34
10a.m. - 11a.m.	
11a.m. - 12p.m.	18
12p.m. - 1p.m.	25
1p.m. - 2p.m.	21
2p.m. - 3p.m.	29



2 marks

total for this page

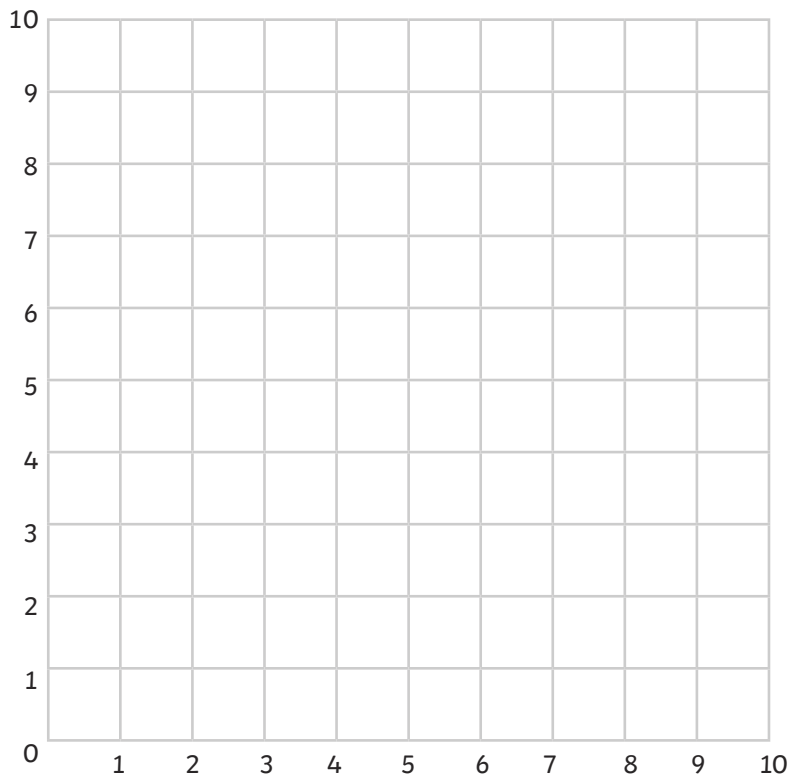
b) Maria says, "The same number of vehicles passed the school before 12p.m. as after 12p.m."

Explain why Maria is correct.

1 mark

17. Plot the following points on this coordinates grid to complete the rectangle:

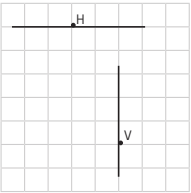
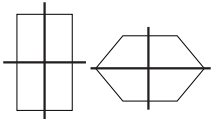
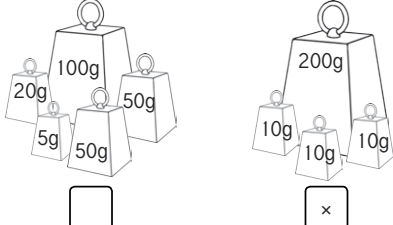
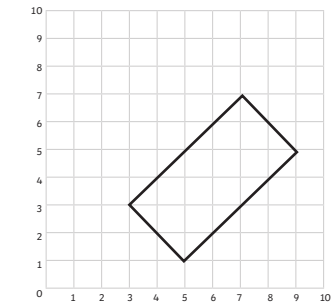
(5,1) (3,3) (7,7) (9,5)



2 marks

total for this page

END OF TEST

1	a) 2063 b) 999	1 mark for each correct answer.	2 marks														
2	$\begin{array}{r} 2473 \\ + 1908 \\ \hline 4381 \end{array}$	1 mark for each correct answer.	2 marks														
3	7017 < 7070 or 7070 > 7017	1 mark for correctly writing 7017 and 7070. 1 mark for correct use of < or >.	2 marks														
4		Lines can be any length as long as the intention is clear. 1 mark for both correct.	1 mark														
5	Answer may explain using 80×7 added to 4×7 . Other options include doubling 3 times and adding 84.	2 marks for reasonable explanation. 1 mark for correct answer.	2 marks														
6	a) 108mm b) 39mm	No marks for answer in different units. Award mark for correct difference between answer to 6a and 69mm.	2 marks														
7	$1 \times 28, 2 \times 14, 4 \times 7$	Answer can be written 1 and 28 etc. of other appropriate format as long as pairs are clear.	1 mark														
8	$\frac{30}{100} = \frac{3}{10} = \frac{300}{1000}$	Both correct for 1 mark.	1 mark														
9	7610 and 1615	Both must be circled for a mark.	1 mark														
10		1 mark for each shape correct with 2 lines each.	2 marks														
11	3 years		1 mark														
12	£3.30	2 marks for wvcorrect answer in the correct format. 1 mark for answer in correct format with 1 mistake in calculating.	2 marks														
13	-4, -3, 0, 3	2 marks for all correct, 1 mark for 3 correct.	2 marks														
14	56 pencils	2 marks for correct answer. 1 mark of working indicates 1 pack contains 7 pencils.	2 marks														
15			1 mark														
16	<table border="1" data-bbox="914 1137 1134 1346"> <thead> <tr> <th>Time</th> <th>vehicles</th> </tr> </thead> <tbody> <tr> <td>9a.m. - 10a.m.</td> <td>34</td> </tr> <tr> <td>10a.m. - 11a.m.</td> <td>23</td> </tr> <tr> <td>11a.m. - 12p.m.</td> <td>18</td> </tr> <tr> <td>12p.m. - 1p.m.</td> <td>25</td> </tr> <tr> <td>1p.m. - 2p.m.</td> <td>21</td> </tr> <tr> <td>2p.m. - 3p.m.</td> <td>29</td> </tr> </tbody> </table>	Time	vehicles	9a.m. - 10a.m.	34	10a.m. - 11a.m.	23	11a.m. - 12p.m.	18	12p.m. - 1p.m.	25	1p.m. - 2p.m.	21	2p.m. - 3p.m.	29	$34 + 23 + 18 = 75$ $25 + 21 + 29 = 75$ 1 mark for 23 in the table. 1 mark for final bar to 29 (needs to be 28-30, close to 30 but not 30). 1 mark for showing the 2 totals are equal.	3 marks
Time	vehicles																
9a.m. - 10a.m.	34																
10a.m. - 11a.m.	23																
11a.m. - 12p.m.	18																
12p.m. - 1p.m.	25																
1p.m. - 2p.m.	21																
2p.m. - 3p.m.	29																
17			2 marks for all correct. 1 mark for 2 points correct	2 marks													