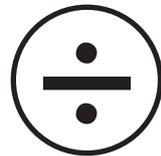
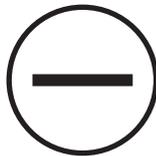


# Key Stage 1

## Mathematics

### Reasoning: Test 3

Name	
Date	



35

total marks

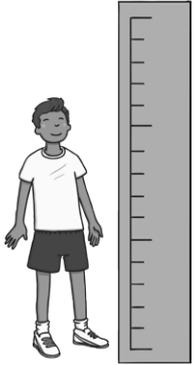
Name:

Date:

# Key Stage 1 Maths Reasoning: Test 3

1.

2.



1.2l

1.2m

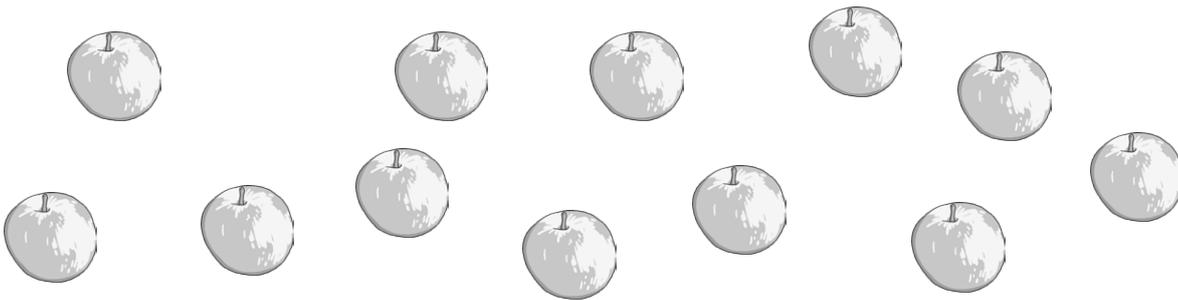
1.2cm

1.2ml

1.2kg

3.

4.



5.



1 mark

1 mark

1 mark

1 mark

1 mark

Total for this page

6.

a) Write 3 odd numbers:

b) Write 3 even numbers:

1 mark

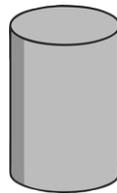
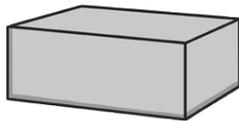
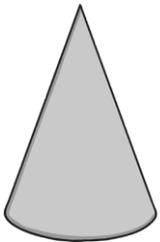
1 mark

7. Ravi counts the scissors for his teacher. There are 24 right-handed pairs, and 7 left-handed pairs. How many pairs of scissors are there altogether?



1 mark

8. Circle the shape that is a cylinder.



1 mark

9. Circle the calculations that are the inverse of  $67 - 29 = 38$ .

$29 + 38 = 67$

$67 + 38 = 29$

$29 + 67 = 38$

$38 + 29 = 67$

1 mark

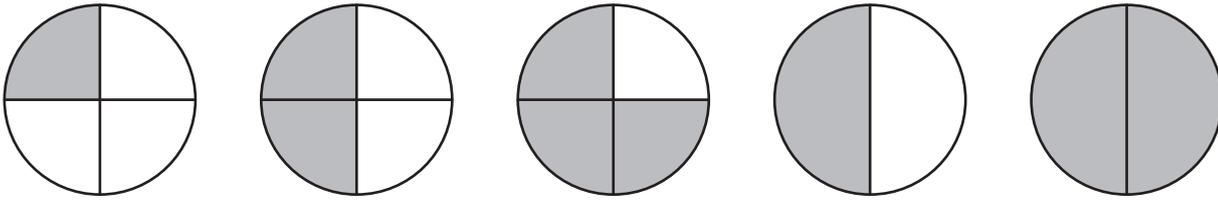
10. Complete this calculation:

$4 \square - \square 9 = 15$

1 mark

Total for this page

11. Circle the representations that show  $\frac{1}{2}$  is equivalent to  $\frac{2}{4}$ .



1 mark

12. Jade collects 70 pencils from the school office. The pencils are in packs of 10. How many packs does Jade collect?

1 mark

13. Ravi has a piece of string 20cm long. He cuts the string into quarters.

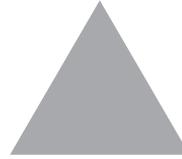
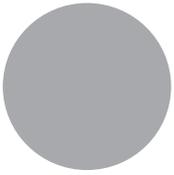


How long is each quarter?

1 mark

Total for this page

14. Here are 4 shapes:



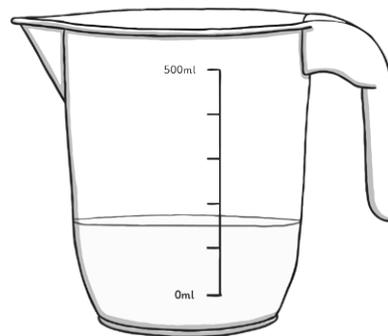
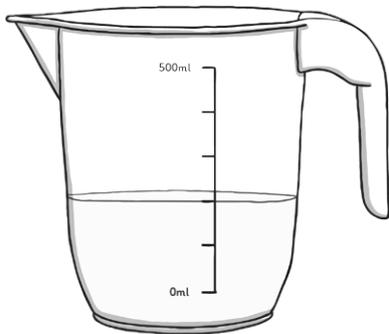
Sort the shapes into shapes with a right angle and shapes with no right angle.  
Draw the shapes into the correct box in the table below.

Shapes with a right angle	Shapes with no right angle

1 mark

15. Here are 2 jugs containing juice.

Circle the jug containing the most juice.



1 mark

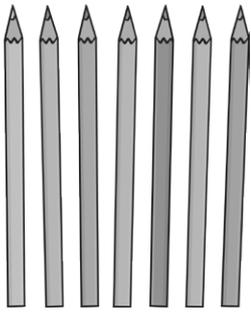
16. Here is a sequence. Write the missing numbers:

55	60	65		75	80		
----	----	----	--	----	----	--	--

1 mark

Total for this page

17. Ravi counts the colouring pencils in 2 trays in his classroom. There are 37 in one tray and 22 in the other. 15 of the pencils are broken.



How many colouring pencils are not broken?



2 marks

18. Complete this calculation.

$$\square \div 2 = 12$$



1 mark

19. What number is the difference between 35 and 19? Circle the calculation that will give the correct answer.

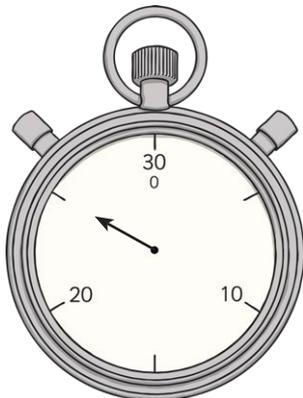
$19 - 35 =$

$35 - 19 =$

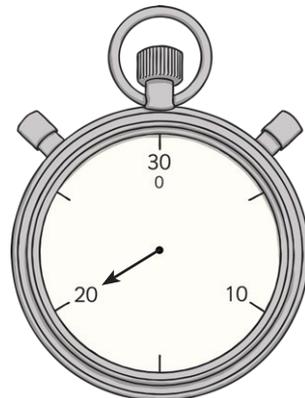


1 mark

20. Ravi and Jade run around the school playground. The time it takes is recorded on a stopwatch. Here are the times:



Ravi



Jade

Who ran round the playground quicker?



1 mark



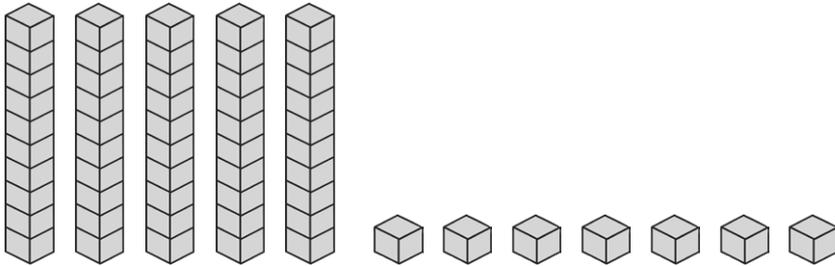
Total for this page

21. Here is an arrow.



The arrow is turned a quarter turn anti-clockwise.  
Draw the arrow in its new position.

22. Here are some tens and ones.



What number do they represent?



1 mark



1 mark

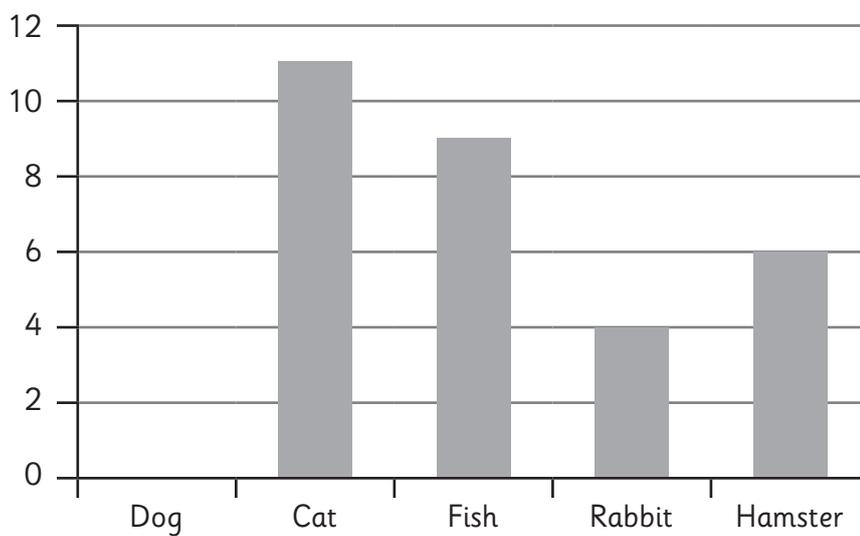


Total for  
this page

23. The children in a class record the pets they have at home in a tally chart.

Pet	Number of pets
Dog	
Cat	
Fish	
Rabbit	
Hamster	

Number of Pets

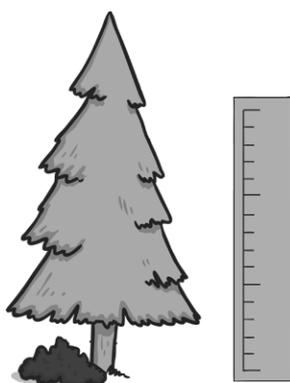


Complete the tally chart and block graph.

2 marks

24. Here is a tree. Beside the tree is a metre ruler.

Estimate the height of the tree. Circle the best estimate.



6m

6cm

6ml

6kg

1 mark

Total for this page

25. The teacher asks Ravi to share 35 story books equally on 5 tables.



How many books will Ravi put on each table? Write the calculation you would use to find the answer.



1 mark

26. The children in a class collect some coins. They have nine 5p coins and some copper coins worth 13p.

How much money have the children collected?



1 mark

27. Write the number 89 in words.



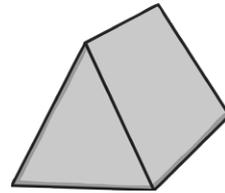
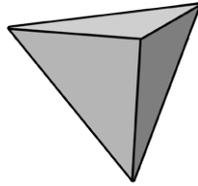
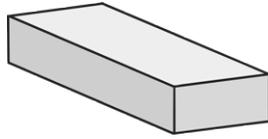
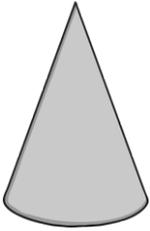
1 mark



Total for this page

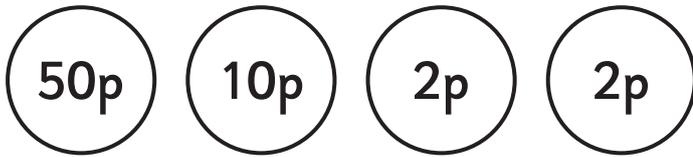
28. Here are some 3D shapes.

Circle any shape with a rectangle face.

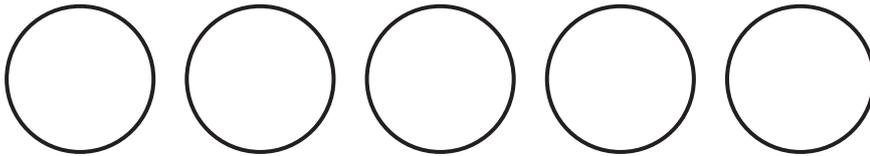


1 mark

29. A teacher demonstrates how to make 64p with four coins:

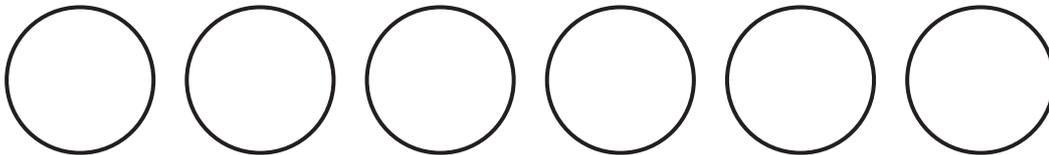


a) Ravi is then asked to show how to make 64p with 5 coins. How could this be done?



1 mark

b) Jade is then asked to show how to make 64p with 6 coins. How could this be done?



1 mark

30. Here is a sequence:

73
63
43
33
23

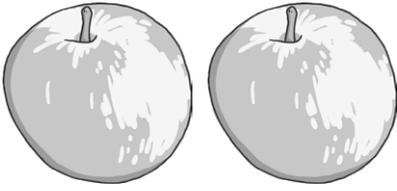
Fill in the missing number.

1 mark

Total for this page

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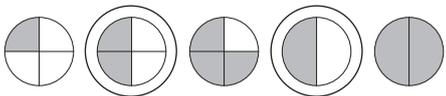
31. At the school fruit shop, Ravi buys 2 apples. They cost 24p altogether.



He pays with a 50p piece. How much change will Ravi be given?

1 mark

Total for this page

question	answer	marks	notes
<b>1.</b>			
	68	1	
<b>2.</b>			
	1.2m	1	
<b>3.</b>			
	76	1	Accept larger numbers with 7 and 6 in correct place e.g. 376
<b>4.</b>			
	3 apples circled	1	
<b>5.</b>			
	82p	1	
<b>6.</b>			
a	any 3 odd numbers	1	
b	any 3 even numbers	1	
<b>7.</b>			
	31 pairs	1	
<b>8.</b>			
	cylinder circled	1	
<b>9.</b>			
	$29 + 38 = 67$ and $38 + 29 = 67$ circled	1	
<b>10.</b>			
	$44 - 29 - 15$	1	
<b>11.</b>			
		1	

question	answer	marks	notes								
<b>12.</b>											
	7 packs	1									
<b>13.</b>											
	5cm	1									
<b>14.</b>											
	<table border="1"> <thead> <tr> <th>Shapes with a right angle</th> <th>Shapes with no right angle</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Shapes with a right angle	Shapes with no right angle			1	Allow inaccurate drawings as long as the intention is clear.				
Shapes with a right angle	Shapes with no right angle										
<b>15.</b>											
		1									
<b>16.</b>											
	<table border="1"> <tr> <td>55</td> <td>60</td> <td>65</td> <td><b>70</b></td> <td>75</td> <td>80</td> <td><b>85</b></td> <td><b>90</b></td> </tr> </table>	55	60	65	<b>70</b>	75	80	<b>85</b>	<b>90</b>	1	
55	60	65	<b>70</b>	75	80	<b>85</b>	<b>90</b>				
<b>17.</b>											
	$37 + 22 = 59$ $59 - 15 = \mathbf{44 \text{ pencils}}$	2	Award 1 mark if the calculation is correct with only one mistake in the working out.								
<b>18.</b>											
	24	1									
<b>19.</b>											
	$35 - 19$	1									
<b>20.</b>											
	Jade	1									
<b>21.</b>											
		1	Arrow can be drawn anywhere on the page and allow mark as long as intention is clear.								

question	answer	marks	notes
<b>22.</b>			
	57	1	
<b>23.</b>			
	Tally chart: 9 tallies Block chart: 7 (drawn between 6 and 8)	2	1 mark for each correct chart.
<b>24.</b>			
	6m	1	
<b>25.</b>			
	$35 \div 5 = 7$	1	
<b>26.</b>			
	$9 \times 5 = 45$ $45 + 13 = 58p$	1	
<b>27.</b>			
	eighty-nine	1	
<b>28.</b>			
		1	
<b>29.</b>			
a	Any correct way of making 64p with 5 coins	1	
b	Any correct way of making 64p with 6 coins	1	
<b>30.</b>			
	53	1	
<b>31.</b>			
	$50 - 24 = 26p$	1	