

Please note this is for additional revision and not for homework so please do not stick them in your child's book. This maths reasoning test includes 5 oral questions which the children need to answer. The questions are towards the end. The answers have been provided on the last sheet of this test. Thank you.

Key Stage 1

Mathematics

Reasoning: Test 3

| | |
|------|--|
| Name | |
| Date | |



35
total marks

6. a) Write 3 odd numbers:

1 mark

b) Write 3 even numbers:

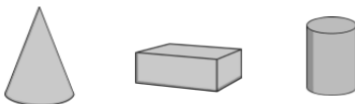
1 mark

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

Key Stage 1 Maths Reasoning: Test 3

1.

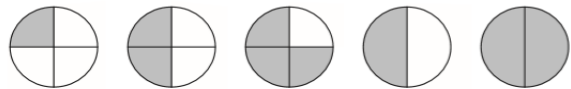
2.  1.2l 1.2m 1.2cm 1.2ml 1.2kg

3.

4. 

5. 

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.

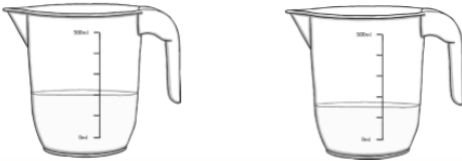
Draw the shapes into the correct box in the table below.

| 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

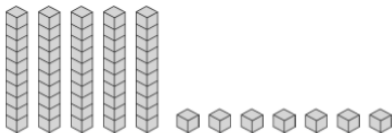
21. Here is an arrow.



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

1 mark

22. Here are some tens and ones.

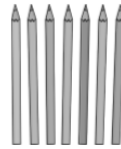


What number do they represent?

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.

$$\square \div 2 = 12$$

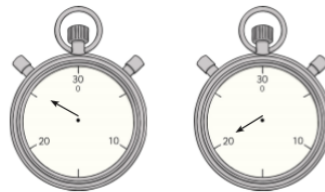
1 mark

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

$$19 - 35 = \quad 35 - 19 =$$

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

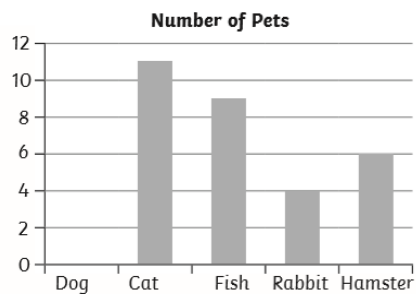
Who ran round the playground quicker?

1 mark

Total for this page

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 | |



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.



5m 3m 1m 8m

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?

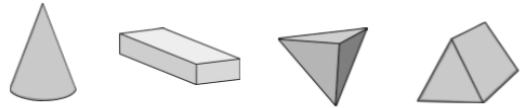
1 mark

27. Write the number 89 in words.

1 mark

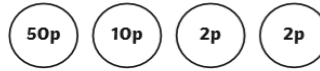
28. Here are some 3D shapes.

Circle any shape with a rectangular 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

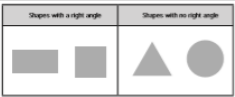


31. At the school fruit shop, Ravi buys 2 apples. They cost 24p altogether.




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

| question | Page 1 Script for Questions 1 – 5 |
|----------|---|
| 1 | Write the number that is one more than 67. |
| 2 | How tall is Ravi? Circle the most appropriate answer. |
| 3 | Write a number with 7 in the tens place and 6 in the ones place. |
| 4 | Here are twelve apples. Circle one quarter of the apples. |
| 5 | Jade has 52p in her purse. Her mum gives her 30p. How much does she have now? |

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

| question | answer | marks | notes | | | | | | | | |
|------------|--|-------|---|----|----|----|----|----|----|---|--|
| 12. | | | | | | | | | | | |
| | 7 packs | 1 | | | | | | | | | |
| 13. | | | | | | | | | | | |
| | 5cm | 1 | | | | | | | | | |
| 14. | | | | | | | | | | | |
| |  | 1 | Allow inaccurate drawings as long as the intention is clear. | | | | | | | | |
| 15. | | | | | | | | | | | |
| |  | 1 | | | | | | | | | |
| 16. | | | | | | | | | | | |
| | <table border="1" data-bbox="180 1559 424 1597"> <tr> <td>55</td> <td>60</td> <td>65</td> <td>70</td> <td>75</td> <td>80</td> <td>85</td> <td>90</td> </tr> </table> | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 1 | |
| 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | | | | |
| 17. | | | | | | | | | | | |
| | $37 + 22 = 59$ $59 - 15 = 44$ pencils | 2 | Award 1 mark if the calculation is correct with only one mistake in the working out. | | | | | | | | |
| 18. | | | | | | | | | | | |
| | 24 | 1 | | | | | | | | | |
| 19. | | | | | | | | | | | |
| | $35 - 19$ | 1 | | | | | | | | | |
| 20. | | | | | | | | | | | |
| | Jade | 1 | | | | | | | | | |
| 21. | | | | | | | | | | | |
| |  | 1 | Arrow can be drawn anywhere on the page and allow mark as long as intention is clear. | | | | | | | | |

| question | answer | marks | notes |
|------------|--|-------|--------------------------------|
| 22. | | | |
| | 57 | 1 | |
| 23. | | | |
| | Tally chart: 9 tallies Block chart: 7 (drawn between 6 and 8) | 2 | 1 mark for each correct chart. |
| 24. | | | |
| | 3m | 1 | |
| 25. | | | |
| | $35 \div 5 = 7$ | 1 | |
| 26. | | | |
| | $9 \times 5 = 45$ $45 + 13 = 58p$ | 1 | |
| 27. | | | |
| | eighty-nine | 1 | |
| 28. | | | |
| |  | 1 | |
| 29. | | | |
| a | Any correct way of making 64p with 5 coins | 1 | |
| b | Any correct way of making 64p with 6 coins | 1 | |
| 30. | | | |
| | 53 | 1 | |
| 31. | | | |
| | $50 - 24 = 26p$ | 1 | |