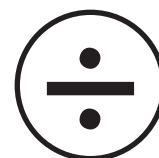
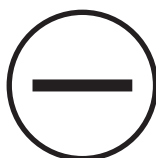


# Key Stage 1

## Mathematics

### Reasoning: Test 2

Name	
Date	



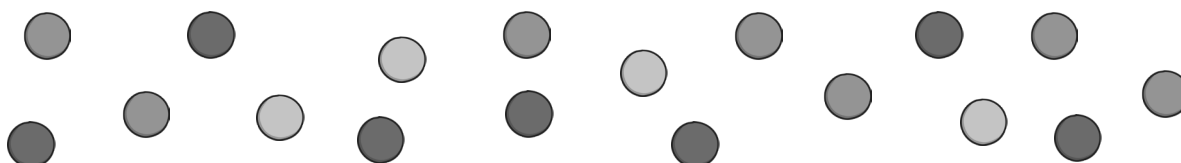
total marks

Name:

Date:

## Key Stage 1 Maths Reasoning: Test 2

1.



1 mark

2.



cm



1 mark

3.

34

43

78

94

27

42



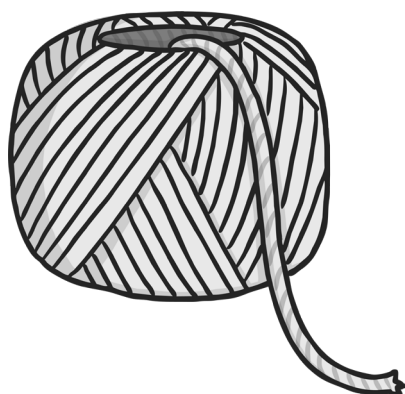
1 mark

4.



1 mark

5.



m

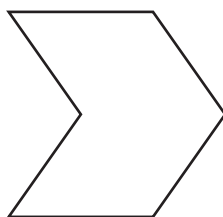


1 mark



Total for  
this page

6. Write the name of these 2D shapes.



1 mark

7. Write a calculation to find the answer to the question: "What number is the difference between fifty-four and forty-seven?"



1 mark

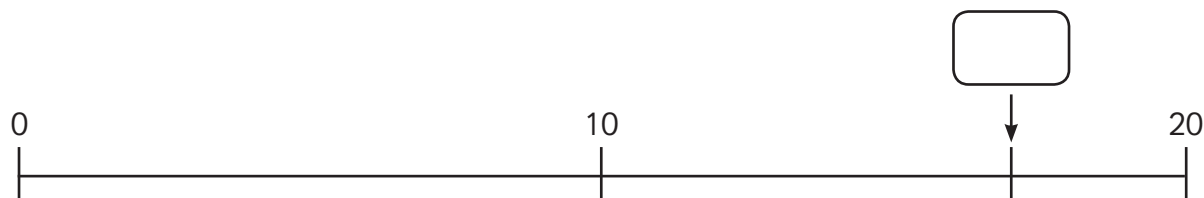
8. Continue this sequence:

74	76	78			
----	----	----	--	--	--



1 mark

9. What number is shown by the arrow on this number line?



1 mark

10. Nita has calculated that  $34 - 13 = 21$ . Write an inverse calculation to check the answer.



1 mark

11. How many hours are in one day?



1 mark

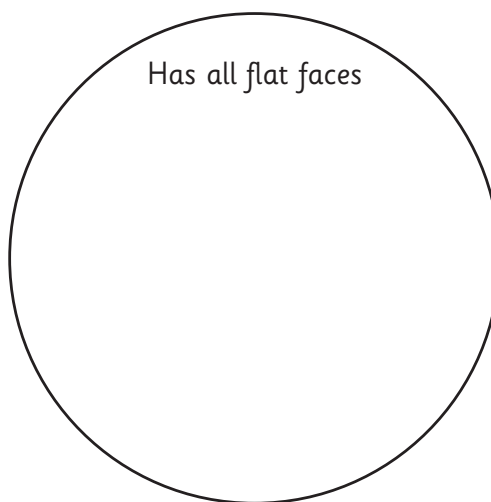
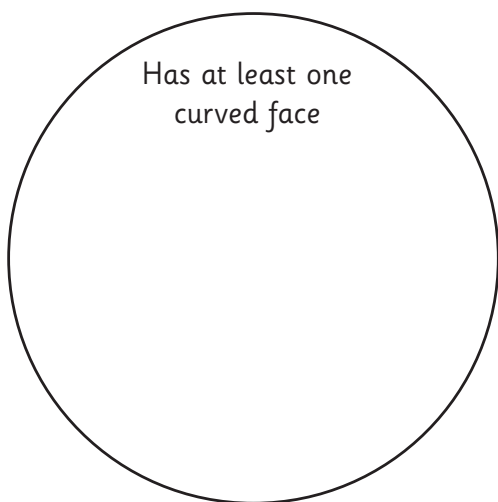
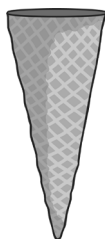
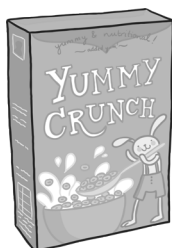
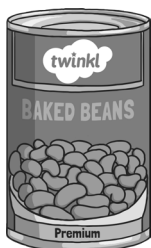


Total for this page

12. Joe and Nita go to the school office to collect some pencils. Joe has 40 pencils and Nita has 60 pencils. Which addition fact using 1-digit numbers would you use to calculate the answer?

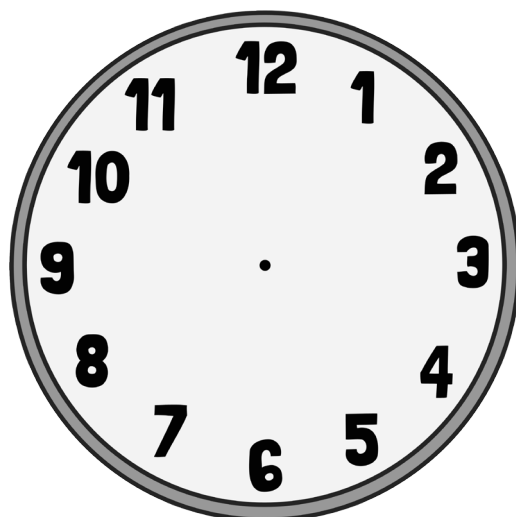
1 mark

13. Here are some everyday 3D objects. Sort the shapes into the two groups. Draw an arrow from each object to the correct group.



1 mark

14. Draw hands on this clock to show the time half past two.



1 mark

Total for this page

15. Joe and Nita jump from a standing position in a PE lesson. They measure their longest jump. Joe jumps 76cm Nita jumps 67cm Using one of these symbols, < or >, compare the measurements.

Joe jumps 76cm

Nita jumps 67cm

Joe		Nita
-----	--	------



1 mark

16.

a) Joe has the following coins. How much money does he have?





1 mark

Nita has these coins. How much money does she have?





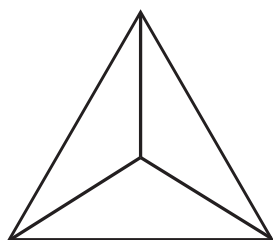
1 mark

b) They put their money together. How much do they have together?



1 mark

17. Here is a triangle. Shade  $\frac{1}{3}$  of the triangle.

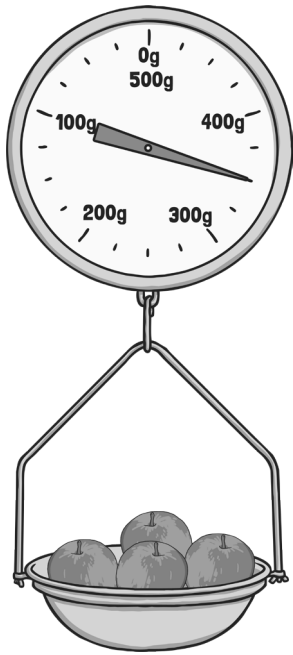


1 mark



Total for this page

18. Joe is buying some apples. How much do the apples weigh?

 g

1 mark

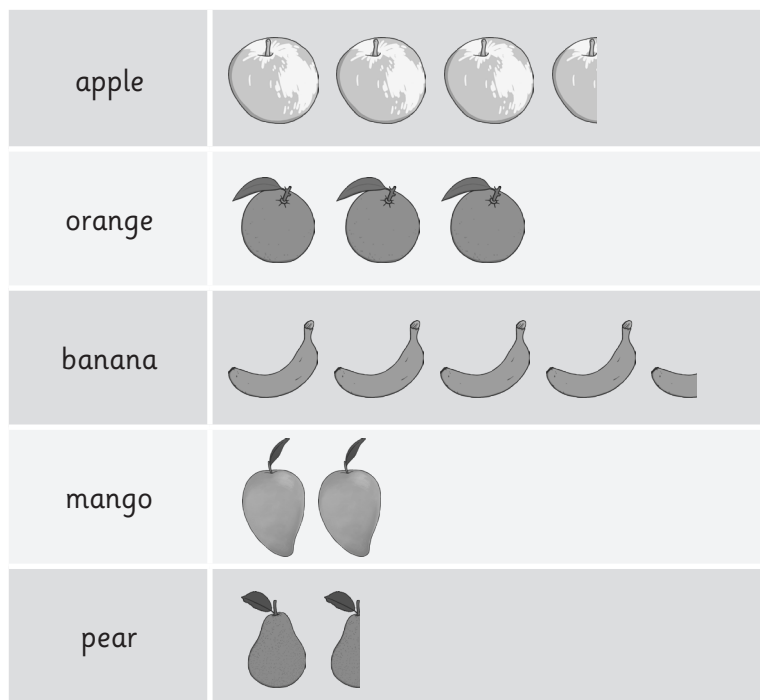
19. A packet of chocolate biscuits contains 5 biscuits. Nita buys 6 packets of biscuits. How many biscuits does Nita buy?



1 mark

Total for  
this page

20. A class of children chose their favourite fruit. This pictogram shows the results. Each piece of fruit represents 2 children.



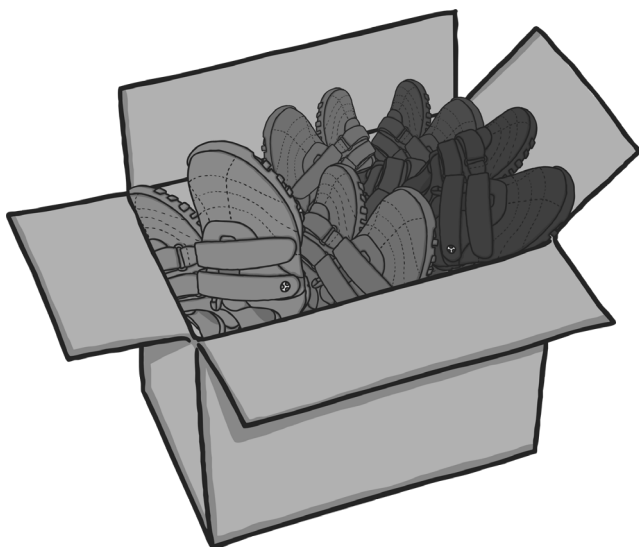
a) Which was the favourite fruit and how many children chose it as their favourite?

favourite fruit

children

b) How many more children chose apples as their favourite fruit than pears?

21. Joe counts all his shoes. He has 18 shoes. How many pairs of shoes does Joe have?



1 mark



1 mark



1 mark



1 mark



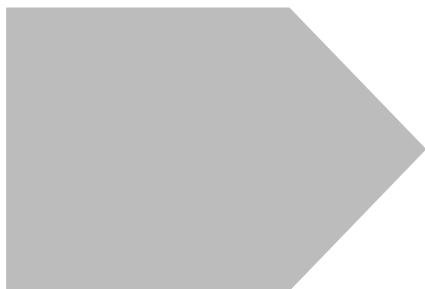
Total for this page

22. Fill in the missing numerals to complete this calculation.

$$1 \square \times \square = 70$$

1 mark

23. Using a ruler to draw a line of symmetry on this shape.



1 mark

24. There are twenty colouring pencils on Nita's table. She is asked to share the pencils between the five children on her table.

Circle the calculation that will give the answer.

$20 \div 5$

$5 \div 20$

$4 \div 20$

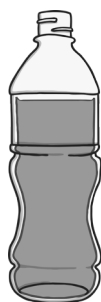
$20 \div 4$

1 mark

25. Joe has 50p. He buys a small drink for 24p.

His mother then gives him 45p.

How much does he have now?



1 mark

Total for this page

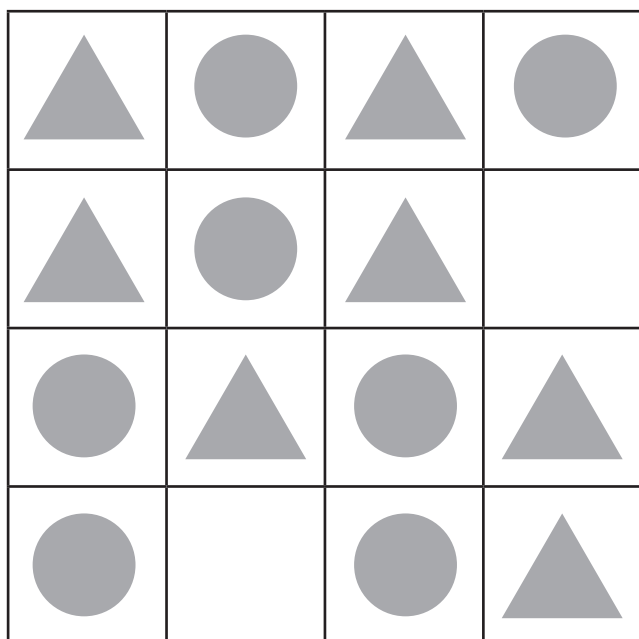


26. Use the digit cards 2, 5 and 8 to complete this addition calculation.



$$\square\square + \square = 60$$

27. Complete this pattern.



28. Order the following numbers from smallest to largest.

34

43

78

94

27

42

--	--	--	--	--	--

smallest largest

29. Complete these fractions so that they are equivalent.

$$\frac{1}{2} = \frac{\quad}{4}$$

1 mark

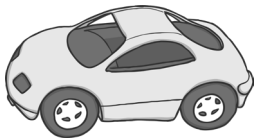
1 mark

1 mark

1 mark

Total for this page

30. Joe collects 9 five pence pieces. He uses them to buy a toy car for 32p.

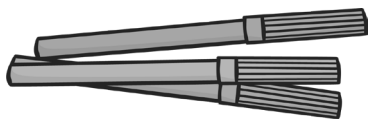


How much does Joe have left?



1 mark

31. Nita and Joe collect all the felt tip pens in a classroom. Nita collects 43 pens and Joe collects 38 pens.



Write the calculation you would use to work out how many pens Nita and Joe collected altogether.


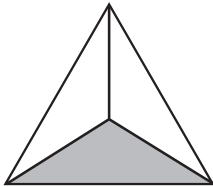


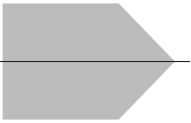
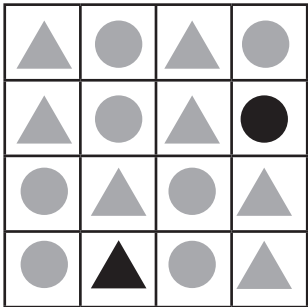
1 mark



Total for  
this page

question	answer	marks	notes
<b>1.</b>			
	Ring around 9 balls	1	Allow 0.1cm error for each. Both correct for 1 mark.
<b>2.</b>			
	Estimate from 9cm to 14cm	1	
<b>3.</b>			
	Circle 43 and 42	1	Both circled and no others for the mark.
<b>4.</b>			
	69	1	
<b>5.</b>			
	14m	1	Accept any digits in the whole number places.
<b>6.</b>			
	Rectangle and Hexagon	1	Both answers must be given for a point. Allow misspellings as long as intention is clear.
<b>7.</b>			
	54 - 47	1	
<b>8.</b>			
	<div> <div>74</div> <div>76</div> <div>78</div> <div>80</div> <div>82</div> <div>84</div> </div>	1	All 3 numbers for the mark.
<b>9.</b>			
	Answers between and including 16 to 18	1	
<b>10.</b>			
	13 + 21 or 21 + 13	1	
<b>11.</b>			
	24	1	

question	answer	marks	notes
<b>12.</b>			
	$4 + 6 = 10$	1	
<b>13.</b>			
	<b>Curved</b> – tin and cone <b>Flat</b> – cereal packet and chocolate bar	1	
<b>14.</b>			
		1	Hour hand must be between 2 and 3 for the mark.
<b>15.</b>			
	Joe > Nita	1	
<b>16.</b>			
a	Joe 43p Nita 36p	2	1 mark for each correct answer.
b	79p	1	
<b>17.</b>			
		1	Shading need not be accurate but the intention must be clear.
<b>18.</b>			
	350g	1	Allow 340-360g
<b>19.</b>			
	30 biscuits	1	All 3 numbers for the mark.

question	answer	marks	notes
<b>20.</b>			
a	Banana 9 children	1	Both answers required for the mark.
b	4 children	1	
<b>21.</b>			
	9 pairs	1	
<b>22.</b>			
	$10 \times 7 = 70$ <b>or</b> $14 \times 5 = 70$	1	
<b>23.</b>			
		1	
<b>24.</b>			
	$20 \div 5$	1	
<b>25.</b>			
	$50 - 24 = 26$ $26 + 45 = 71p$	2	1 mark for correct calculations with only 1 mistake.
<b>26.</b>			
	$52 + 8$ $58 + 2$	1	
<b>27.</b>			
		1	

question	answer	marks	notes
<b>28.</b>			
	27, 34, 42, 43, 78, 94	1	
<b>29.</b>			
	$\frac{2}{4}$	1	
<b>30.</b>			
	$9 \times 5 = 45$ $45 - 32 = 13p$	1	1 mark for correct calculations with only 1 mistake.
<b>31.</b>			
	$43 + 38$	1	Award mark even if the addition is calculated incorrectly.

question 1	Page 1 Script for Questions 1 – 5
1	There are 18 balls on the page. Put a ring around half of them.
2	Look at the drawing of a pencil. Estimate how long the pencil is. Write your answer in the answer box.
3	Circle any number where the number 4 represents 40.
4	Write the number that is one less than 70.
5	Joe has a ball of string 25m long. He cuts a piece 11m long from the string to give to Nita. How much is left on the string now?