

Key Stage 2

Mathematics

Reasoning: Pack 1 Test 1a

Name	
Date	











Key Stage 2 Maths Reasoning: Pack 1 Test 1a

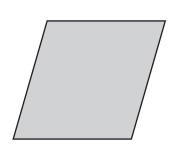


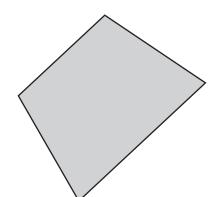
1. Order the following numbers from smallest to largest: 426, 412, 462, 416, 402

]
smallest			largest

1 mark

2. Draw all the lines of symmetry on these quadrilaterals.







 ${f 3.}$ Draw lines to match the following calculations to the correct answers.

56

$$56 \div 1$$

0



4. Write the decimal equivalents to match the following fractions.

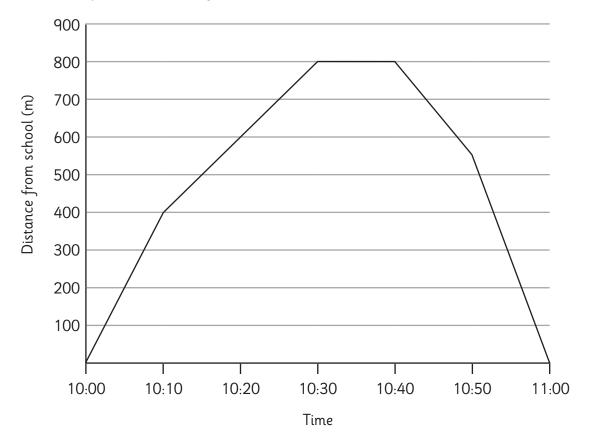
$$\frac{1}{4}$$
 =

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

$$\frac{3}{4}$$
 =



5. Children in a class walk around their local area. The graph shows how far they had travelled from school during the visit.



a) How far were the children from their school at 10:20?



b) For how long are the children at least 500m away from school?









b) Write the difference in size between the 2 lines.









a) Accurately measure these 2 lines.

6.

7.	Continue	the	following	sequence:
	Continue	tite	Journal	sequence.

0.006,	0.012,	0.018,	
,	,	,	l

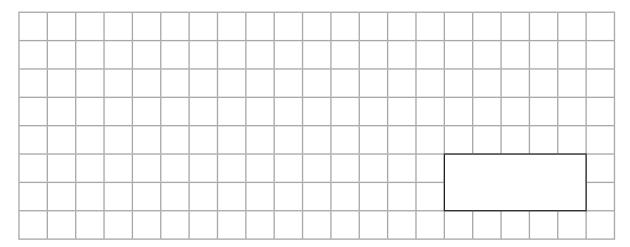


8. A shop sells T-shirts and shorts for the following prices:





A mother buys 3 T-shirts and a pair of shorts for her son. She pays with a £10 and a £5 note. How much change would she be given?



With what coins could she be given as change?

	_



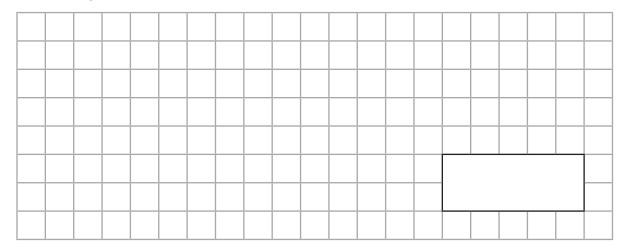
 $\textbf{9.} \ \, \textbf{Complete this subtraction calculation:}$





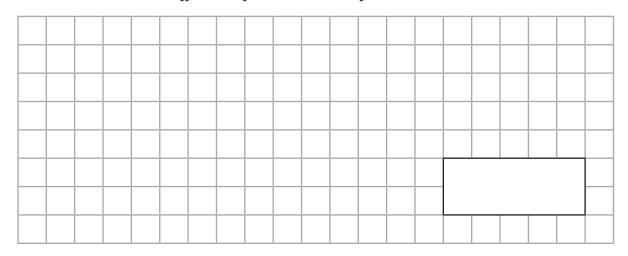
10. James has to be home by 4:30pm. He is 35 minutes late. Write the time he arrives home in 24-hour time.	
	1 mark
11.The number p is 20 more than the number q.	
Using algebra, write the relationship between p and q.	
	2 marks
12.Write all the factors of 24:	1 mark
13.Use the following line to draw an angle of 34° at point A. Use a ruler and a protractor or angle measurer.	
A	1 mark
	Total for

14. A teacher needs 70 lengths of string cut to 40cm each. If balls of string are 10m long, how many balls will be needed.



2 marks

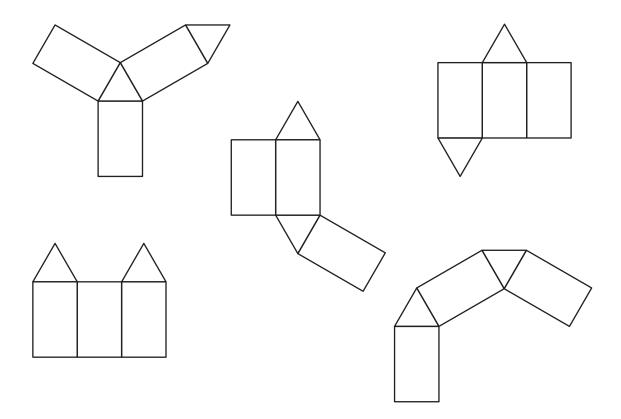
15. Two numbers have a difference of 0.7 and a sum of 1. What are the numbers?





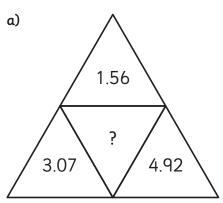


16. Circle the nets which will make a triangular prism.

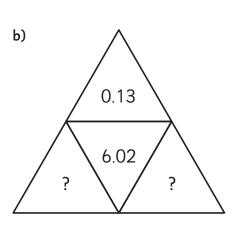




17.Complete the triangles so that the number in the centre is the sum of the numbers on the outside.







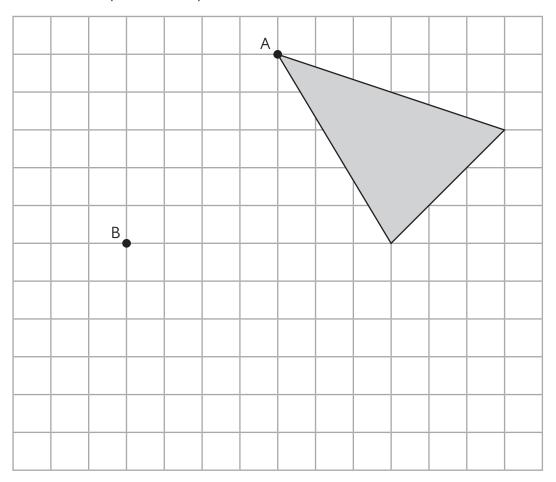




18. Here is a shaded shape on a grid.

The shape is translated so that point A moves to point B.

Draw the shape in its new position.



19. Round the number 347 500 to the nearest 1000, 10 000 and 100 000.

To the nearest 1000



To the nearest 10 000



To the nearest 100 000









20 .Write down 3 numbers where the following are true:	
The total of the 3 numbers is 20.	
The product of the 3 numbers is 90.	

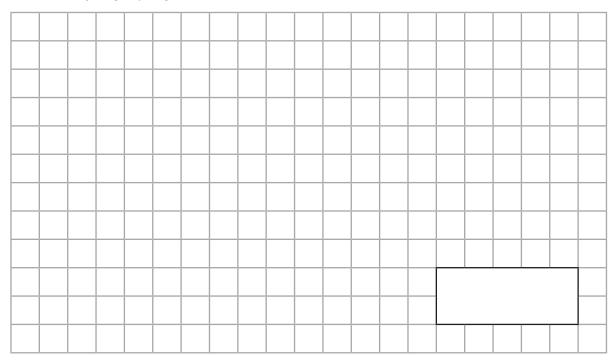


21.Here are the ingredients for raspberry ripple ice cream.

250g raspberries 225g caster sugar 2 large eggs 4 large egg yolks

600ml double cream

A mother has 5 litres of cream to make ice cream for a party. Sugar comes in 1kg bags. How many bags of sugar will be needed?







Answer Sheet: Key Stage 2 Maths Reasoning: Pack 1 Test 1a



question	answer	marks	notes			
1.						
	402, 412, 416, 426, 462	1				
2.	2.					
		2				
3.						
	56 x 0 56 ÷ 1 56 x 1	1	1 mark for all correct.			
4.	4.					
	0.25 0.5 0.75	1				
5.	5.					
а	600m	1				
b	Answers between 36 and 40 minutes inclusive.	1				
6.						
а	10.3 cm or 103 mm 4.6 cm or 46 mm	1	Allow 1mm error on each.			
b	5.7cm or 57 mm	1	Allow correct calculation based on incorrect answers to 6a.			
7.						
	0.024, 0.03, 0.036	1	Allow 0.030.			



question	answer	marks	notes		
8.					
	Any combination of coins to make 26p	2	2 marks for correct answer 1 mark for correctly calculating the change as 26p but incorrect coins. 1 mark for 1 error in calculation but gives answer using the least coins for that amount.		
9.					
	6 012 3274 2738	2	1 mark per digit		
10.		•			
	17:05	1			
11.					
	p = q + 20 or q = p - 20	2	1 mark for an incorrect expression that uses p, q, 20, = and either + or e.g. q = p + 20		
12.					
	1, 2, 3, 4, 6, 8, 12, 24	1			
13.					
	Allow 32° - 36° (See end of answers for an accurate answer of the angle)	2			
14.					
	3 balls	2	(40 cm x 70 = 2 800 cm = 28 m) 3 balls = 30 m 1 mark for incorrect answer due to one error of calculation.		
15.					
	0.85 and 0.15	2	2 marks for both numbers correct. 1 mark for correct method but 1 calculation mistake.		



question	answer	marks	notes		
16.					
		2	2 marks for 3 correct. 1 mark for 2 correct and none incorrect.		
17.					
a	9.55	1			
b	2 numbers that add up to 5.89	1			
18.	18.				
	B	2	2 marks for correct answer. 1 mark if triangle's corners are at B and one other correctly placed.		
19.					
	348 000 350 000 300 000	2	2 marks for all correct. 1 mark for 2 correct.		
20.					
	2, 3 and 15 or 1, 9 and 10	2	2 marks for a correct answer. 1 mark for a set of numbers that correctly meets 1 criteria.		



question	answer	marks	notes
21.			
	2 bags	2	2 marks for correct answer. 1 mark for incorrect answer where it is calculated that 8 1/3 times the recipe is required.
		Total 35	