

Year 4

Mathematics

Reasoning: Set 1 Test B

Name	
Date	









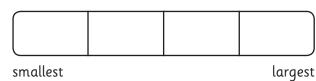
Year 4 Maths Reasoning: Set 1 Test B



1. What number is 100 less than 678?



2. Order the following fractions from smallest to largest.





3. Measure the length of this line in millimetres.



mm



4. Write a 4 digit number with a 3 in the hundreds place and a 7 in the ones place.



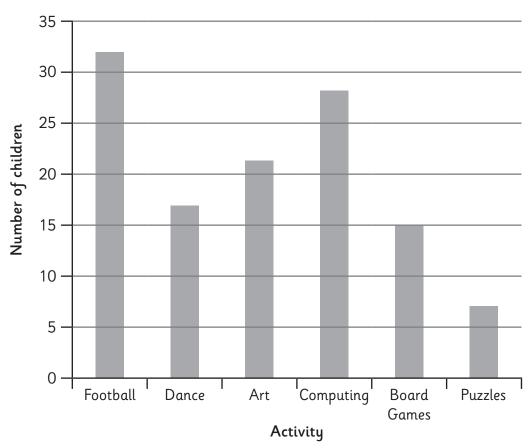


5. Count back 9 from the number 4.





6. The children in a school were asked what was their favourite Golden Time activity. The results were recorded in this bar chart.



a) How many children chose art as a favourite activity?

 		$\overline{}$

b) What is the difference between the number of children who chose the most popular and least popular activity?

)



1 mark

7. Here is a table showing the lengths of some films. Complete the table.

Film	Length in hours and minutes	Length in minutes
Alvin and the Chipmunks: The Road Chip	1 hour 32 minutes	
Star Wars: The Force Awakens		135 minutes

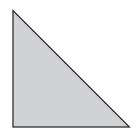




8.							
a) Circle the calculat	ions that give th	e same an	swer as 4 x	2 x 6:			
2 x 4 x 6	4 x 12	2	6 x 2 :	x 4	2 x	24	1 mark
b) Two factors of 16	add up to 10. V	Vhat are tl	rey?				
							1 mark
				• • • •	• • • •	• • • •	• •
9. Fill in the missing r	numbers to comp —	lete the ca	lculation.				
5							
x	 1						
	_						
1 0 2 4	H						2 marks
	• • • • • •	• • • •	• • • •			• • • •	• •
10.Angus has 72 foot	ball cards. He de	ecides to q	ive $\frac{3}{2}$ of hi	s cards to	his brother.		
How many cards d			8 3				
							7
							_
							_
							_
							2 marks
	• • • • • •	• • • •	• • • •	• • • •	• • • •	• • • •	• •
11.	-	7					
a) Write the decimal	equivalent for $\frac{1}{1}$	0.					1 mark
b) Write the fraction	equivalent for 0	.3.					1 mark
							Total for this page

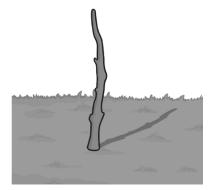
12. Draw the lines of symmetry on the following shapes.

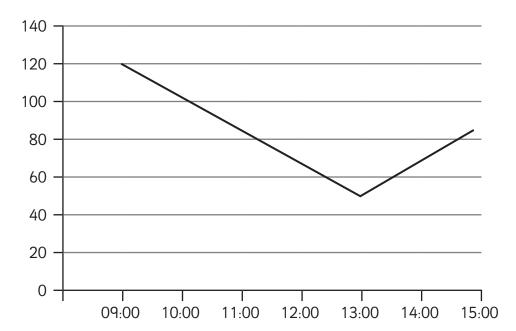






13.Samir measured the length of a shadow cast by a post in the playground. He took a measurement on every hour. This table shows the results.





a) At what time does the graph show is the shortest shadow?

b) What is the length of the shadow at 09:30?









14. James wants to buy a football and a pair of gloves from the local sports store.





How much change will he get from £10?

	 	 	_		 	 			 	



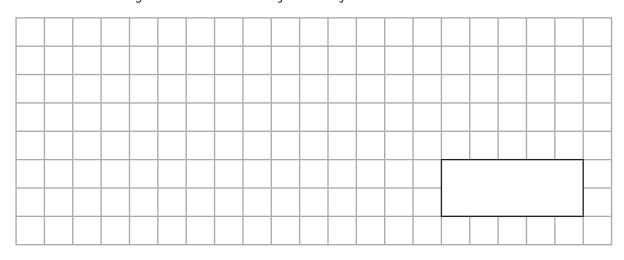
15. Round 4825 to the nearest:

10 =	
100 =	
1000 =	



16. A cinema has an IMAX festival, showing films for £3 each. There are 3 showings. The number of people in each film was 245, 312 and 287.

How much money did the cinema take for the 3 films?





17.A class of children record the number of children who have school meals or packed lunch from home. The results are displayed in the table below.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
School meal	18	16	17	12	21
Packed lunch	11	12	12	17	7

a) On which day did the most children have a school meal?





b) Which day has the smallest difference in the number of children eating school dinner and eating a packet lunch?







Answer Sheet: Year 4 Maths Reasoning: Set 1 Test B



question		answer		marks	notes					
				IIIai NS	notes					
1. 3N2b: 100 less word question.										
	578			1						
2. 3F3: Order fractions with same denom.										
	$\frac{2}{8} \frac{3}{8} \frac{5}{8} \frac{7}{8}$			1						
3. 3M2a: Mea	asure length of a	line in mm. (S	heet must be p	orinted at	100% for this to be correct.)					
	75 mm			1	No mark for 7.5 cm.					
4. 4N3a: Plac	ce value to thous	ands.								
	Any 4 digit nur place and 7 in			1	Must have 4 digits.					
5. 4N5: Coun	t back 9 from 4.									
	-5			1						
6. 3S2: Scaled	d bar chart.									
а	21			1						
b	25			1						
7. 4M4c: Film	lengths convert	to minutes.								
	Film	Length in hours and minutes	Length in minutes							
	Alvin and the Chipmunks: The Road Chip	1 hour 32 minutes	92 minutes	2	1 mark for each answer.					
	Star Wars: The Force Awakens	2 hours 15 minutes	135 minutes							
8. 4C6c: Mat	ch commutative	calculations/f	actor pairs.							
а	All of them			1						
b	2 and 8			1						
9. 4C7: 3 dig	it x 1 digit missin	g number.		,						
	2 5 6 × 4			2						



question	answer	marks	notes							
10. 4F10a: Wo	10. 4F10a: Word problem calc quantity.									
	27	2	2 marks for correct answer 1 mark for incorrect answer with only 1 mistake in calculating.							
11. 4F6b: Write decimal/fraction equivalent.										
а	0.7	1								
b	$\frac{3}{10}$ or any other possibilities.	1								
12. 4G2b: Lin	es of symmetry.									
		2								
13. 4S1: Time	graph.									
а	13:00 or 1pm	1								
b	110 cm	1								
14. 3M9a: Wo	ord question change.									
	£1.51	2	2 marks for correct answer 1 mark for adding £2.99 and £5.50 incorrectly but getting correct change from £10, or 1 mark for adding £2.99 and £5.50 to get £8.49 but incorrectly calculating the change.							
15. 4N4b: Ro	und to 10, 100, 1000.									
	4830, 4800, 5000	2	2 marks for all 3 correct. 1 mark for 2 correct.							
16. 4C8 Word	d problem including multiplication and addition									
	£2532	2	2 marks for correct answer. 1 mark for adding the number of people in the films as 844 but not correctly multiplying this by 3, or for not adding the number of people correctly, but multiplying their answer by 3 correctly.							
17. 4C8: 2 step addition and multiplication word problems.										
а	Friday	1								
b	Tuesday	1								
		Total 29								