Primary Mathematics Challenge

16-20 November 2015



Name

Class

Please do not start to answer questions until you are told to do so. When you do turn over the page you will have 45 minutes for the challenge.

You must do all the work on your own. You should use rough paper for this.

For questions 1 – 20, write down A B C D or E in the space for each answer.

For questions 21 - 25, write down your answer in the space.

Each correct answer gains one mark.

Good Luck. Enjoy the challenge!

Practice Questions

P1 Which of the following statements is true?

A 4 + 7 = 3

B 3 = 4 - 7

C 3 + 4 = 7

D 4 = 7 + 3

E 3 - 7 = 4

P2 Abigail is saving 50p each week.

How many weeks will she take to save £20?

A 20

B 25

C 30

D 35

E 40



Total mark

/ 25

MATHEMATICAL ASSOCIATION



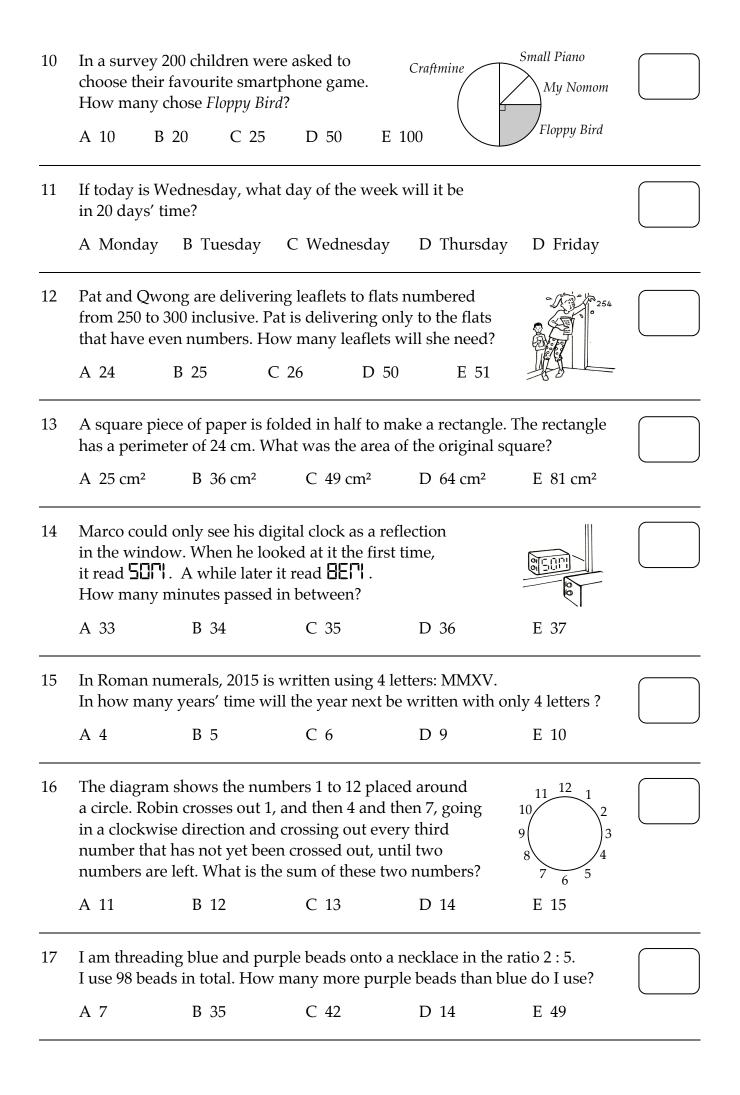
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1	Which of these is closest to the height of an adult elephant?						
	A 1 cm	B 2 feet	C 3 m	D 4 mm	E 5 km		
2	The number of letters in the word FOUR is equal to its numerical value. For how many other single-digit numbers is this true?						
	A 0	B 1	C 2	D	3	E 4	
3	In the UK it is now 11 am. The time in San Francisco is 8 hours behind the UK. What time do the clocks now show in San Francisco?						
	A 3 am	B 4 am	C 5 a	m D	11 am	E 7 pm	
4	I have 100 socks for my octopuses. How many octopuses can have all their tentacles in socks?						
	A 4	B 8	C 9	D 10	E 12		
5	Rabbit Owt buys 10 bendy pencils at 99p each and pays with a £10 note. How much change should Rabbit Owt receive?						
	A 1p	В 9р	C 10 ₁	D D	90p	E 91p	
6	Speedy Samuel is running up the Eiffel Tower in Paris. There are 669 steps from ground level to the second stage of the tower. If he runs from ground level to the second stage and back, how many steps does he run?						
	A 669	B 1238	C 132	28 D	1338	E 13218	
7	Which of the following calculations gives the smallest number that is exactly divisible by 2, 3 and 4?						
	A 2×3	B 2 × 4	C 3 × 4	D 2×	3 × 4 E	$1 \times 2 \times 3 \times 4$	
8	How many cuboids like X would you need to make cuboid Y, shown on the right?						
	A 8	B 9	C 10	D	11	E 12	
9	If Pythagoras' height is approximately three times the circumference of his head and the circumference of his head is 63 cm, how tall could he be?						
	A 20 cm	B 2.1 m	C 125	5 cm D	190 mm	E 1.9 m	



10	Mow the Post a let Wash the Clean ou	lawn: 40 minute ter: 7 minutes car: 35 minutes t Budgie's cage: 1 0 am, what time	s 1 minutes.				
	A 11.00	В 11.33	C 11.40	D 12.00	E 12.09		
19	What is the area of this quadrilateral?						
	A 12 cm ² D 20 cm ²	B 16 cm ² E 25 cm ²	C 18 cm ²	4 cm 5 c	4 cm		
20	mornings ir In a twelve-	rly Ird, says he has every three to go week term, with my mornings will B 35 C 36	et me out of bed five schooldays he moan at me?	l. each week,			
21	Each of the each kitten.	ers has two cats a two cats weighs Altogether the ca kilograms does e	six times as muc ats and kittens w	ch as veigh 10 kg.			
22	A full box of <i>Brekkibix</i> contains 1200 grams of cereal. If each of the dimensions of the box is halved, how many grams of <i>Brekkibix</i> will the smaller full box contain?						
23	The diagram shows an equilateral triangle joined to a quadrilateral, two of whose angles are 36° and 49°. What is the size of angle x ?						
24	What fraction	on of all the three es of 6?	-digit numbers	which end in 6			
25	The largest What is it?	four-digit factor	of 87878 is a prii	me number.			