

Mental Maths Tests



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Year Six

These tests contain questions ranging from Level 3 to Level 5. Children should have five seconds to answer questions 1 – 5 in each test, ten seconds to answer questions 6 – 15 and twenty seconds to answer questions 16 – 20.

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1	What is double forty-five?	11	What is three hundred and seventy-two centimetres to the nearest metre?
2	What is twenty-seven more than fifty?	12	Alex paid for a CD with a ten pound note and received two pounds twenty-five change. How much was the CD?
3	Write the number twelve thousand and fifty-nine in figures.	13	What is seven tenths as a percentage?
4	Imagine a cube. How many faces does it have?	14	What is half of five point two?
5	What is the size of each angle in an equilateral triangle?	15	Circle the two numbers which have a total of ten.
6	Divide twelve by four and then add seven.	16	Write two and a half million in figures.
7	A banana costs eighteen pence and an orange costs nineteen pence. How much are they altogether?	17	A school has exactly twice as many girls as boys. There are one hundred and sixty-four boys. How many girls are there?
8	The difference between a number and thirty-eight is ten. What could the number be?	18	Multiply fifty by sixty.
9	How many minutes are there in two and a quarter hours?	19	Put a ring around the smallest number.
10	Look at the equation. What is the value of n ? ($67 - n = 8$)	20	Write two factors of twenty-four which add to make eleven.

Test One

1		11	metres
2		12	£ .
3		13	per cent
4	faces	14	
5	degrees	15	0.01 0.11 1.01 9.09 9.9 9.99
6		16	
7	pence	17	
8		18	
9	minutes	19	18.4 1.48 14.8. 4.18 1.84
10	$67 - n = 8$ n is	20	

1	How many ten pences are there in three pounds?	11	Imagine a triangular prism. How many faces does it have?
2	Subtract forty from one hundred and thirty.	12	Circle two numbers which have a difference of two.
3	Multiply nine by nine.	13	Divide three hundred and ninety by ten.
4	How would quarter past seven in the evening be shown on a twenty-four hour digital clock?	14	What is the difference between two hundred and forty and five hundred and ten?
5	How many millilitres are there in one and a half litres?	15	When rolling a fair dice, numbered one to six, what is the probability of rolling a one?
6	Jan buys a sandwich for one pound twenty and pays with a five pound note. How much change should she get?	16	Add together thirty-eight, thirty-nine and forty.
7	What is double five hundred and twenty?	17	What is fifty per cent of forty-five pounds and fifty pence?
8	A train is due to arrive and nine forty. It is twenty-five minutes late. At what time will it arrive.	18	What number is half-way between thirty-four and fifty?
9	A square park has a perimeter of one hundred metres. How long is one of its sides?	19	Multiply twenty-five by two hundred.
10	Add two point one to three point eight.	20	What is one point three multiplied by eight.

Test Two

1		11	faces						
2		12	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>-1</td> <td>-0.5</td> <td>0</td> </tr> <tr> <td>0.5</td> <td>1</td> <td>1.5</td> </tr> </table>	-1	-0.5	0	0.5	1	1.5
-1	-0.5	0							
0.5	1	1.5							
3		13							
4	<div style="border: 3px double black; padding: 5px; display: inline-block;">:</div>	14							
5	millilitres	15							
6	£ .	16							
7		17	£ .						
8	<div style="border: 3px double black; padding: 5px; display: inline-block;">:</div>	18							
9	metres	19							
10		20							

1	What is double thirty-two?	11	A chocolate bar costs thirty-one pence. Jon buys three chocolate bars. How much change does he get from one pound?
2	Subtract twenty-three from one hundred.	12	How would quarter to seven in the evening be shown on a twenty-four hour digital clock?
3	What is four multiplied by eight?	13	Five times a number is three thousand. What is the number?
4	What is nine-tenths as a percentage?	14	How many millilitres are there in two and a half litres?
5	Write half a million in figures.	15	What is twenty times thirty times ten?
6	A regular hexagon has sides six centimetres long. What is the perimeter of the hexagon?	16	Add together twenty-seven and fifty-eight.
7	How many centimetres are there in a quarter of a metre?	17	Four biscuits cost twenty-four pence altogether. How much do twelve biscuits cost?
8	What is the remainder when forty-three is divided by five?	18	What number is exactly half-way between one point one and one point two?
9	What number is one hundred and ninety-nine more than six hundred and three?	19	Write two factors of twenty-four which add to make eleven.
10	Add together nought point four, nought point one and nought point five.	20	Multiply thirty-nine by nine.

Test Three

1		11	pence
2		12	<div style="border: 2px solid black; padding: 5px; display: inline-block;">:</div>
3		13	
4	per cent	14	millilitres
5		15	
6	centimetres	16	
7		17	£ .
8		18	
9		19	
10	0.4, 0.1, 0.5	20	

1	What is eleven times ten?	11	How many eights are there in two hundred and forty?
2	How many hours are there in two days?	12	How many metres are there in three and a half kilometres?
3	Subtract twenty-nine from eighty.	13	What temperature is ten degrees lower than seven degrees Celsius?
4	What is twenty multiplied by seven?	14	What is one point three multiplied by four?
5	Divide fifty-six by eight.	15	What is seven hundred and fifty divided by one hundred?
6	What is one-third of sixty-six?	16	What is one hundred and ten less than one thousand?
7	Add together twenty-one, thirty-one and forty-one.	17	What number is half way between twenty and eighty?
8	An apple costs thirty-five pence. What is the cost of three apples?	18	What is fifty times twenty times ten?
9	The perimeter of a regular octagon is eighty centimetres. What is the length of each side?	19	A rectangle measures eleven centimetres by thirty centimetres. What is its area?
10	Four times a number is 200. What is the number?	20	When rolling a fair dice numbered one to six, what is the probability of getting an even number?

Test Four

1		11	
2	hours	12	metres
3		13	degrees Celsius
4		14	
5		15	
6		16	
7		17	
8	£ .	18	
9	centimetres	19	cm ²
10		20	



1	Write the number one thousand and fifty in figures.	11	How many forties are there in eight hundred?
2	Divide one hundred by four.	12	Divide forty-eight by eight?
3	Multiply six by seven.	13	Five times a number is one thousand. What is the number?
4	What is fifteen out of thirty as a percentage?	14	What is three quarters of a thousand?
5	How many grams are there in fifteen kilograms?	15	What number is thirty-four more than thirty-eight?
6	How much must I add to four pounds seventy to make six pounds?	16	What number is half way between seventy-nine and one hundred and one?
7	What is three times three plus four times four?	17	Calculate the difference between eight hundred and ten and six hundred and forty.
8	What is two point eight subtract one point five?	18	What is seventeen multiplied by eleven?
9	What is one half added to three quarters?	19	A banana costs forty-five pence? How many bananas can be bought with five pounds?
10	Calculate the perimeter of a square where one edge is eleven centimetres long.	20	Calculate ten minus four point two five.

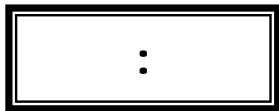
Test Five

1		11	
2		12	
3		13	
4		14	
5	grams	15	
6	£ .	16	
7		17	
8		18	
9		19	
10	centimetres	20	



1	What is thirty-four add seventy?	11	What is the difference between four hundred and nine and three hundred and eight-two?
2	Write the number five thousand and seventy-one in figures.	12	What number is half way between thirty and eighty?
3	Multiply eight by nine.	13	In a survey one quarter of people liked apples. What percentage of people liked apples?
4	What is the square root of sixty-four?	14	How many ten pences in eleven pounds?
5	What is twenty multiplied by two hundred?	15	What is ninety per cent of two hundred?
6	What is the time thirty-five minutes after eleven fifty-five?	16	Add together fifty-three, fifty-four and fifty-five.
7	Subtract one hundred and fifteen from two hundred.	17	Jim thought of a number. He doubled it and added nine. The answer was forty-nine. What number did he think of?
8	What is double eight point five?	18	Look at the triangle. If angle x is forty-five degrees, what is angle y .
9	An equilateral triangle has a perimeter of twenty-one centimetres. How long is one of its sides?	19	What is three thousand divided by twenty?
10	Ten times a number is ninety-two. What is the number?	20	Six cakes cost two pounds forty. How much do ten cakes cost?

Test Six

1		11	
2		12	
3		13	per cent
4		14	
5		15	
6		16	
7		17	
8		18	degrees 
9	centimetres	19	
10		20	£ .

1	How many fifty pences are there in five pounds?	11	Each side of a pentagon is eleven centimetres. What is the perimeter of the pentagon?
2	Multiply seven by five.	12	What is the square root of one hundred and forty-four?
3	What is four hundred and eighty divided by ten?	13	How many grams are there in three and a quarter kilograms?
4	What is three quarters as a decimal.	14	Three times a number is one hundred and five. What is the number?
5	What is one point two multiplied by ten?	15	What is twenty per cent of two hundred?
6	What is half of six hundred and seventy?	16	Add together forty-four, forty-five and forty-six.
7	What time is half an hour later than two fifty?	17	What is four thousand divided by twenty?
8	What is twenty-seven less than one hundred?	18	What is half of five thousand and sixty-eight?
9	What is three hundred and sixty-one centimetres to the nearest metre?	19	Calculate ten subtract three point two five.
10	What is double fifteen point five?	20	Ten times a number is ninety-seven. What is the number?

Test Seven

1		11	centimetres	
2		12		
3		13	grams	
4		14		
5		15		
6	<table border="1"><tr><td>:</td></tr></table>	:	16	
:				
7		17		
8		18		
9		19		
10		20		

1	What is double forty-nine?	11	What is three quarters of one thousand?
2	Write five hundred and twenty-two to the nearest ten.	12	Multiply twenty-one by nine.
3	Look at the shapes. Tick the shape which is a hexagon.	13	Imagine a cube. How many vertices does it have?
4	How many sevens are there in two hundred and ten?	14	What is four multiplied by three point two?
5	How many metres are there in two and a half kilometres?	15	What is two per cent of five hundred?
6	What is one point five add four point five?	16	What is the remainder when one hundred and eight is divided by five?
7	How many minutes are there in one a half hours?	17	Calculate the difference between three hundred and sixty-seven and four hundred and eighty-one.
8	What is the sum of twenty-four and twenty-six?	18	What number must I multiply by two point five to get an answer of fifty?
9	Calculate the difference between six hundred and four hundred and ninety-nine.	19	Imagine a triangular prism. How many edges does it have?
10	What is seventy-five divided by five?	20	Four oranges cost thirty-nine pence. How much do twelve oranges cost?

Test Eight

1		11	
2		12	
3		13	
4		14	
5	metres	15	
6		16	
7	minutes	17	
8		18	
9		19	edges
10		20	£ .



1	Find the sum of thirty-five and twenty-five.	11	What number is half way between one hundred and fifteen and one hundred and forty-five?
2	Write the number two thousand and fifteen in figures.	12	A television programme starts at ten past six. It lasts for twenty-five minutes. At what time does it finish?
3	Four people share eighty pence equally. How much do they each get?	13	Find the difference between thirty-five pence and one pound.
4	What is eighty-six multiplied by ten?	14	What is fifty per cent of seventeen pounds?
5	What is forty-eight divided by six?	15	What is ten more than minus four?
6	How many millimetres in ninety centimetres?	16	The year is two thousand and six. What year will it be three hundred years from now?
7	Imagine a square based pyramid. How many vertices does it have?	17	A bunch of bananas costs one pound forty-nine pence. How many bunches could you buy with ten pounds?
8	What is double forty-nine?	18	What is the area of a square that has a perimeter of thirty-two centimetres?
9	What is five out of twenty as a percentage?	19	Ring two numbers which are factors of twenty-eight.
10	What is seven hundred and forty-eight to the nearest hundred?	20	What is the total of seventy-five and seventy-five and forty-nine?

Test Nine

1		11	
2		12	:
3	pence	13	pence
4		14	£ .
5		15	
6	millimetres	16	
7	vertices	17	bunches
8		18	cm²
9	per cent	19	4 8 10 14 39 48
10		20	

1	What number must be added to eight-four to make one hundred?	11	What is the remainder when fifty-one is divided by four?
2	How many hundreds are there in three thousand one hundred?	12	Circle the lowest temperature.
3	What is double seventy-one?	13	If I buy three chocolate bars at a cost of thirty-two pence each, how much change will I get from one pound?
4	Multiply five by four and then double the answer.	14	Five times a number is three thousand. What is the number?
5	How many hours are there in three days?	15	Find half of nine thousand and two.
6	How would quarter past five in the evening be written on a twenty-four hour digital clock?	16	Add together twenty-three, twenty-two and thirty.
7	Find the total of one hundred and eleven and two hundred and eleven.	17	What number is exactly half way between four point one and five point one?
8	How many millilitres in a quarter of a litre?	18	Four pens cost eight-eight pence. What do six pens cost?
9	What is three quarters of two pounds?	19	Multiply twenty-six by nine.
10	What is two hundred and eight less than one thousand?	20	A rectangle measures twelve centimetres by six centimetres. What is its area?

Test Ten

1		11	
2	hundreds	12	2°C 5°C -5°C -2°C 0°C -1°C
3		13	pence
4		14	
5	hours	15	
6	:	16	
7		17	
8	millilitres	18	£ .
9	£ .	19	
10		20	cm ²