

## Mental maths questions

NUMBER		seconds
Easy	How many hundreds are there in one thousand?	5
	Subtract 21 from 40	5
	What is $8 \times 8$	5
	Add together 90, 110 and 120	15
	Add together 6 and 66	5
	Multiply 91 by 2	5
	What is the next odd number after 999?	10
	Take away 95 from 110	10
	Add together 9, 19 and 29	15
	What is 120 add 80?	5
	How many sixes are there in 36?	5
	Add 308 to 402.	10
	What is $3 \times 150$ ?	10
	Add together 8 and 7 then multiply the result by 4	15
	What is double 34?	5
	Subtract 21 from 100	5
	What is 4 multiplied by 9?	5
	Add together 23 and 48	15
	4 biscuits cost 20p altogether. How much do 12 biscuits cost?	15
	Subtract 32 from 70	5
	What is 30 multiplied by 7	5
	Divide 48 by 8	5
	Add together 23, 33 and 43	10
	What is 1000 minus 110?	15
	What number is halfway between 30 and 80?	15
	Look at sheet. Put a ring round the multiple of 6. 100, 140, 260, 300, 340	15
	Write the number 1020	5
	Divide 90 by 3	5
	Multiply 7 by 6	5
	What number is 34 more than 58?	15
What is 15 multiplied by 11?	15	
Medium	Double 150 and then double your answer	10
	What number is exactly half way between 50 and 80?	10
	How many 7s are there in 630?	10
	Multiply 75 by 20	15
	Subtract 0.1 from 2	5
	What is one fifth of 1000	5
	Multiply 8 by 4 then add 50	10
	How many twos are there in 440?	10
	What is 6 multiplied by 20 divided by 4?	15
	Write the multiple of 8 that is between 100 and 110.	15
	Add together two and a half and three and a half and four and a half	10
	What is the remainder when 27 is divided by 5?	10
	Add together 0.2, 0.4 and 0.6	10
6 times a number is 3000. What is the number?	10	

	<p>What is <math>30 \times 40 \times 10</math>?  Write the number that is exactly half way between 1.1 and 1.2  15  Look at sheet. Put a ring around fraction equal to one half  <math>\frac{1}{20}</math>, <math>\frac{1}{100}</math>, <math>\frac{2}{3}</math>, <math>\frac{3}{4}</math>, <math>\frac{5}{10}</math>  10  5 times a number is 200. What is the number?  10  What is 7.5 divided by 100?  10  What is 20 out of 40 as a percentage?  5  What is <math>3 \times 3</math> added to <math>4 \times 4</math>  10  Subtract 1.9 from 2.7  10  How many 40 are there in 800?  10</p>	10
Hard	<p>What is three quarters of 44?  Put a ring around the decimal closest to one quarter 0.14, 0.24, 0.34, 0.44, 0.54  What is 31.9 subtract 21.4  What is 5% of 1000?  Emily chose a number. She halved the number then added 10 to the result. Her answer was 35. What was the number she started with?  15  Subtract 0.05 from 0.5  Put a ring around the percentage that = three fifths.  20%, 30%, 40%, 50%, 60% 10  When <math>m = 20</math>, what is the value of <math>10 + 3m</math>? (<math>10+3m</math>)  When a number is divided by 7 the answer is 3 remainder 4.  What is the number?  What is double 1.7?  What number is 100 less than 10,000?  Look at your sheet. Put a ring around the smallest number.  0.7, 0.077, 0.77, 0.707, 7.007  I think of a number, subtract 10 and double the result.  The answer is 44. What is my number?  In a group of 45 children there are twice as many boys as girls.  How many girls are there?  What is seven tenths as a percentage?  Write half a million in figures  Write 2 factors of 24 that add to make 11  Multiply 39 by 7  What is two thirds of 66  What is 1.3 multiplied by 4?  What is one half added to three quarters?  When h has the value 12, calculate <math>5h</math> minus 2</p>	<p>5  10  10  10  15  10  15  5  5  15  15  15  5  5  15  15  5  10  10  10  10</p>

	Look at sheet. Circle decimal equal to one fifth. 0.1, 0.2, 0.3, 0.4, 0.5 What is three quarters of 500	10
<b>MEASURE</b>		
Easy	How many mm are there in 3cm?	5
	How many mm are there in 15cm?	10
	A rectangle has a width of 10 cm and a length of 11 cm. What is its area?	10
	A rectangle measures twelve cm by 4cm. What is its area?	10
	Look at your sheet. Circle the lowest temperature. 2°C, -5°C, 5°C, 0°C, -1°C	10
	How many cm are there in half a metre?	10
	A rectangle measures 11cm by 20cm. What is its area?	15
	How many grams are there in 12kg?	5
	Medium	The perimeter of a square is 1m. How many cm long is each side?
How many m are there in 4 and a half km?		10
Calculate the perimeter of a rectangle 11m long and 4m wide		10
Hard		How many grams are there in 2.7kg?
	What temperature is 10 degrees lower than 7 degrees celsius?	10
	Divide 0.9 by 100	10
	How many ml are there in one and a quarter litres?	10
	What temperature is 20 degrees less than 6 degrees Celsius?	10
	The diagram shows a regular hexagon. What is the size of angle x? (internal angle shown)	15
	What is the angle between the hands of a clock at 4 O clock?	15
<b>SHAPE</b>		
Easy	Imagine a square based pyramid How many vertices does it have?	10
	Look at answer sheet. Draw a ring around shape with only 1 line of symmetry. Given square, rectangle, circle, oval and kite.	10
	Medium	Imagine a triangular prism. How many faces does it have?
<b>MONEY</b>		
Easy	What is half of 90p?	5
	How much must I add to £4.90 to make £6.00	10
	Look at sheet. How much more does a large pizza cost than a small one? Small £6.50, Medium £7.50, Large £8.40	15
	A yoghurt costs 45 pence. How many yoggs can be bought for £5?	15
	Medium	Add £1.20 to £2.78
Cakes are 4 for 50p. How many will I get for £2?		10
What is half of £7?		5
2m of wire cost 90p. How much will 3m of wire cost?		10
Oranges cost 15p each. I buy 4 oranges. How much change do I get from a two pound coin?		15
How much more does a pen cost than a pencil?		
Pen £1.20, ruler, £0.75, pencil £0.55		10

	A packet of crisps costs 32p. Josh buys three packets. How much change does he get from one pound?	10
	Look at answer sheet and estimate size of angle x (about 55)	10
	A fruit pie costs 55p. What is the cost of 3 fruit pies?	10
Hard	I had £1. I bought 2 cartons of drink and got 30p change. How much did each carton of drink cost?	10
	What fraction of £2 is 20p	10
	One book cost £1.95. How much do 6 books cost?	15
<b>TIME</b>		
Easy	What time is it 10 hours after 8pm	10
	How many hours are there in 2 days	5
Medium	Look at the list on your sheet. It shows the times that buses leave the bus station. How many minutes are there between each bus? 07:15,07:35,07:55,08:15	10