

Year 5

Fractions, decimals and percentages Test 5: Mental mathematics

Instructions – to be read to pupils

Listen carefully to these instructions. I am going to ask you 20 questions. I will read each question twice. Listen carefully both times. You will then have time to work out your answer.

On your sheet there is an answer box for each question. Some questions are easy and some are harder. For some questions, important information is already written down for you on the sheet.

Work out the answer to each question in your head. Don't try to write down your calculations as this wastes time and you may miss the next question. If it helps you, you may jot things down outside the answer box.

If you can't work out an answer, put a cross in the answer box. If you make a mistake, cross out the wrong answer and then write the correct answer next to it.

You won't be able to ask questions once the test has begun. If you have any questions you may ask them now.

Now we are ready to start the test.

Mark Answer

For these questions, you will have 5 seconds to work out each answer and write it down.

1. Add three-twelfths and eight-twelfths.	1	$\frac{11}{12}$
2. Write twenty-three hundredths as a decimal.	1	0.23
3. Round 37.7 to the nearest whole number.	1	38
4. What is 10 per cent of 2 pounds, 50 pence?	1	25p
5. Write 20 per cent as a fraction.	1	$\frac{20}{100}$ or $\frac{2}{10}$ or $\frac{1}{5}$

For these questions, you will have 10 seconds to work out each answer and write it down.

6. Divide 4 by 100. Write the answer as a decimal.	1	0.04
7. Look at your answer sheet. Circle the largest number.	1	4.7
8. Carla spends 6 pounds, 15 pence. How much change would she get from 20 pounds?	1	£13.85
9. Write 7.5 as a mixed number.	1	$7\frac{1}{2}$ or $7\frac{5}{10}$
10. What is two and three-eighths as an improper fraction?	1	$\frac{19}{8}$
11. Look at your answer sheet. Circle the largest number.	1	3.7
12. What is two fifths as a percentage?	1	40%
13. Look at your answer sheet. Circle the smallest fraction.	1	$\frac{3}{8}$
14. Take one-half from eleven-twelfths.	1	$\frac{5}{12}$
15. Divide one-half by five.	1	$\frac{1}{10}$

For these questions, you will have 15 seconds to work out each answer and write it down.

16. What is 8.1 minus 1.8?	1	6.3
17. Look at your answer sheet. Circle the fraction that is twenty twenty-fourths simplified.	1	$\frac{5}{6}$
18. Multiply 60.708 by 1000.	1	60 708
19. Add five and one-quarter and three and one-half.	1	$8\frac{3}{4}$
20. What is four-fifths written as a decimal?	1	0.8

Now put down your pen or pencil. The test is finished.