

Maths Entry Assessment

Name Date Score

Time: about 40 minutes. Hampstead Tuition Centre - Year 3 Maths Entry Assessment. Answer every question. Show your working in the space provided - you can earn marks for a correct method even if the final answer is wrong. Read each question carefully. You may not use a calculator. Show your working where you can. Marks for each question are shown in brackets, like [2]. Total marks: 42.

- 1 Write the number that is ten more than 348, and the number that is one hundred less than 348. [2]

WORKING

Answer

PLACE VALUE

- 2 Put these numbers in order, smallest first: 407, 470, 74, 740, 47. [2]

WORKING

Answer

ORDERING NUMBERS

- 3 Work out $256 + 178$. Then work out 256 minus 178. [2]

WORKING

Answer

COLUMN ADDITION AND SUBTRACTION

- 4 A fruit shop has 6 boxes of apples with 8 apples in each box, and 5 boxes of pears with 4 pears in each box. How many pieces of fruit are there altogether? [3]

WORKING

Answer

MULTIPLICATION AND ADDITION (MULTI-STEP)

- 5 What fraction of this shape is shaded? A rectangle is split into 8 equal parts and 6 of them are shaded. Give your answer in its simplest form. [2]

WORKING

Answer _____

FRACTIONS

- 6 Fill in the missing number: $5 \times \underline{\quad} = 45$. Then write the matching division fact for this multiplication. [2]

WORKING

Answer _____

TIMES TABLES AND INVERSE

- 7 A pencil costs 25p. Amir buys 3 pencils and pays with a £1 coin. How much change does he get? [3]

WORKING

Answer _____

MONEY (MULTI-STEP)

- 8 Half of a number is 24. What is the number? Now work out three quarters of that number. [3]

WORKING

Answer _____

FRACTIONS OF AMOUNTS (MULTI-STEP)

- 9 A clock shows quarter past 3 in the afternoon. A film starts then and lasts 1 hour and 45 minutes. What time does the film finish? Write your answer using o'clock / past / to. [3]

WORKING

Answer _____

TIME (MULTI-STEP)

- 10 Look at this number pattern: 4, 11, 18, 25, ____, ____. Write the next two numbers and explain in one sentence the rule for the pattern. [3]

WORKING

Answer _____

NUMBER SEQUENCES AND REASONING

- 11 Sam says, ' 7×4 is the same as 4×7 .' Is Sam right? Write one sentence to explain why or why not. [2]

WORKING

Answer _____

REASONING (COMMUTATIVITY)

- 12 A bag holds 100 sweets. They are shared equally into 4 jars. One jar is then split equally between 5 children. How many sweets does each child get? [3]

WORKING

Answer _____

TWO-STEP DIVISION

- 13 A rectangle has sides of 9 cm and 4 cm. Work out the distance all the way around the outside (the perimeter). [2]

WORKING

Answer _____

PERIMETER

- 14 I am thinking of a number. When I multiply it by 6 and then add 5, I get 35. What is my number? Show how you worked it out. [3]

WORKING

Answer _____

INVERSE REASONING / PRE-ALGEBRA (STRETCH)

- 15 Four children share 24 sweets equally. A fifth child then joins and they share the same 24 sweets equally again. [4]
How many fewer sweets does each child now get than before?

WORKING

Answer _____

MULTI-STEP DIVISION AND COMPARISON (STRETCH)

- 16 A square has a perimeter of 28 cm. A different square has sides twice as long. What is the perimeter of the second [3]
square? Explain your reasoning.

WORKING

Answer _____

PERIMETER REASONING (STRETCH)

End of assessment. Hand your paper back when you are finished. Well done!