

Maths Entry Assessment

Name Date Score

Time: about 45 minutes. Hampstead Tuition Centre - Year 4 Maths Entry Assessment. Answer every question and show all your working - method marks are available. Read carefully; some questions have more than one step. No calculator allowed. Show your working where you can. Marks for each question are shown in brackets, like [2]. Total marks: **50**.

- 1 Write the number four thousand and seventy-six in digits. What is the value of the 7 in this number? [2]

WORKING

Answer

PLACE VALUE

- 2 Round 3,548 to the nearest 10, the nearest 100 and the nearest 1000. [3]

WORKING

Answer

ROUNDING

- 3 Work out $1,453 + 2,768$. Then work out 5,000 minus 1,453. [2]

WORKING

Answer

COLUMN METHODS

- 4 Work out 7×8 , 9×6 and $48 \div 6$. Then write whether $48 \div 6$ is larger or smaller than 9×6 . [3]

WORKING

Answer

TABLES AND COMPARISON

- 5 A coach holds 53 passengers. A school needs to take 340 children on a trip. How many coaches must they book so that every child has a seat? [3]

WORKING

Answer _____

DIVISION IN CONTEXT (MULTI-STEP)

- 6 Write $\frac{3}{4}$ as a decimal. Then write which is larger: 0.7 or $\frac{3}{4}$. Explain how you know. [3]

WORKING

Answer _____

FRACTIONS AND DECIMALS (REASONING)

- 7 A film lasts 2 hours and 35 minutes. It starts at 18:50. Using the 24-hour clock, what time does it finish? [3]

WORKING

Answer _____

TIME (24-HOUR, MULTI-STEP)

- 8 A rectangle is 12 cm long and 5 cm wide. Work out (a) its perimeter and (b) its area, giving the correct units for each. [3]

WORKING

Answer _____

PERIMETER AND AREA

9 Find $\frac{3}{5}$ of 45. Then find $\frac{7}{10}$ of 90. [3]

WORKING

Answer _____

FRACTIONS OF AMOUNTS

10 Here is a sequence: 2, 6, 14, 30, ____ . The numbers are made by a rule. Find the next number and describe the rule in words. [3]

WORKING

Answer _____

SEQUENCES AND REASONING (STRETCH)

11 Maya buys 4 notebooks at £1.45 each and a pen for £2.20. She pays with a £10 note. How much change does she receive? [3]

WORKING

Answer _____

MONEY (MULTI-STEP)

12 Liam says, 'All numbers in the 8 times table are also in the 4 times table.' Is he correct? Explain your answer. [2]

WORKING

Answer _____

REASONING (MULTIPLES)

- 13 A jug holds 1 litre 250 ml of juice. Five equal glasses are filled from it and 100 ml is left in the jug. How much juice is in each glass, in millilitres? [3]

WORKING

Answer _____

MEASURES AND DIVISION (MULTI-STEP)

- 14 I think of a number, multiply it by 4, then subtract 7. The answer is 45. What was my number? Show your working. [3]

WORKING

Answer _____

INVERSE REASONING / PRE-ALGEBRA

- 15 A box contains red and blue counters. There are 3 times as many blue counters as red ones. There are 48 counters in total. How many blue counters are there? [4]

WORKING

Answer _____

RATIO-STYLE SHARING (STRETCH)

- 16 A rectangle has an area of 36 cm^2 and one side is 4 cm long. Work out its perimeter. [3]

WORKING

Answer _____

AREA AND PERIMETER (REVERSE, STRETCH)

- 17 Two numbers add up to 100. One number is 24 more than the other. What are the two numbers? Explain how you found them. [4]

WORKING

Answer _____

REASONING / SUM AND DIFFERENCE (STRETCH)

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