



COACH HOUSE NUMERACY ASSESSMENT YEARS 7 - 10

Please complete this test to help us work out exactly which level of Maths is perfect for you. There will be some questions you can't answer. Just leave them blank. Don't worry at all about your score! The test is designed to be very easy at the start and hard at the end so we can place you at just the right level. **Please complete the test without any help** because we want to make your Maths program the best possible match for your current skills. *Print, complete, then scan or photograph the test paper and email it to us at allychumley@msn.com*

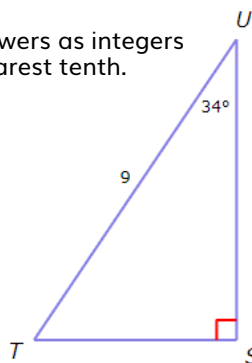
Number & Algebra

- 1 What is the sum of all the numbers from 1 to 10, including 10?
- 2 What's the next number in the pattern? 1 3 7 15
- 3 Write the first six prime numbers.
- 4 Multiply $\frac{1}{2}$ by $\frac{1}{4}$. Show your working. _____
- 5 What is $\frac{3}{100}$ as a decimal?
- 6 What is $\frac{1}{5}$ expressed as a percentage?
- 7 Solve this problem: $3\sqrt{125}$
- 8 Factorise out the highest common factor. $3h^2 + 6h$ _____
- 9 Solve this algebraic equation and show your working: $3x + 4 + 2 = 12 + 3$ _____
- 10 Find the product. Simplify your answer. $-4m^2(-m^2 - m)$ _____
- 11 Simplify. $(2^9)^{-1}$ _____

Measurement & Geometry

- 12 How many metres in 3.62 kilometres?
- 13 What time is it if two and three quarter hours have gone by since 11am?
- 14 Name three four-sided figures: _____
- 15 Name 3 kinds of triangle: _____
- 16 What is radius? _____
- 17 Solve the triangle. Write your answers as integers or as decimals rounded to the nearest tenth.

$$\begin{aligned} ST &= \text{ } \\ SU &= \text{ } \\ \angle T &= \text{ }^\circ \end{aligned}$$



Probability & Statistics

- 18 You roll a die and pick a card. How many outcomes are possible? _____



- 19 In this data set, 12 9 1 12 q if the median is 9, which number could q be? 8 or 10

- 20 A point on the interval is chosen at random. What is the probability it is between 63 and 76? Simplify your answer and write it as a proper fraction.

