


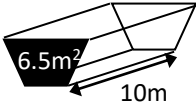
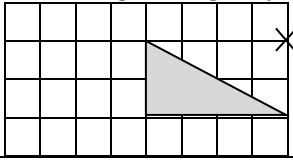
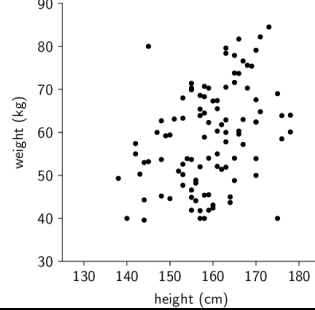
Maths Key Skills

Stage 8: Skill Check 4

Name:

Date:

Class/Group:

A: Number & Algebra		B: Algebra, Proportion, Geometry & Measure		C: Statistics & Probability	
1. Work out: $60 \div 0.2$	8:1	11. Expand & simplify: $(m + 3)(2m + 2)$	8:16	21. The probability of winning the top prize in a draw is 0.06. What is the probability of NOT winning it?	8:26
2. Write 18 as the product of its prime factors.	8:2	12. The ratio of blue: red balls in a box is 7:3. Write the proportion of RED in the box as a fraction	8:17	22. Of the 64 dogs, 28 are male. Last year 10 of the males and 16 of the females were found homes. How many of the females were NOT found homes?	8:27
3. Estimate by rounding to 1sf an answer to: $77.3 \div 3.65$	8:3	13. 7litres of purple paint are made by mixing red and blue in a ratio of red 3litres: 4litres. How much blue paint is needed for 35litres of purple paint?	8:18		
4. Evaluate: 2^5	8:4	14. A bike bought for £80 was sold for 25% more. Complete the sum to find the selling price. 80x.....	8:19		
5. Factorise: $10x - 15$	8:6	15. Water flows at a rate of 8 litres in 10 minutes. What is the rate in litres/hour?	8:20	23. A coin is tossed twice. What is the probability of rolling a HEAD and a TAIL?	8:28
6. Simplify: 2^{-1}	8:7	16. What is the sum of the exterior angles of a hexagon?	8:21		
7. Make 'e' the subject of the formula $d = e - f$	8:8	17. Work out the area of a circle with radius 7cm in terms of π .	8:22	24. Estimate the mean score 	8:29
8. Solve: $4y + 2 = 2y - 8$	8:10	18. Work out the volume of this prism. 	8:23		
9. What is the gradient of the graph with the equation: $y = 5 - 2x$	8:12	19. Enlarge triangle by sf $\frac{1}{2}$, centre X 	8:24	25. Circle the outliers 	8:30
10. Give the nth term of the sequence 1, 4, 7, 10, 13	8:15	20. A map scale is 1:50000. What would 10cm represent in kilometres?	8:25		
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	