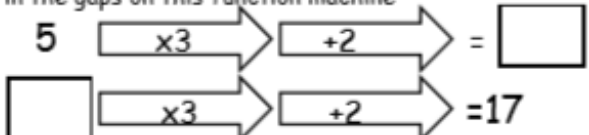
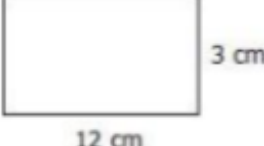





## Mixed Topic Homework Sheet 1

1. Calculate $4 \times 7 + 2 =$	2. Fill in the gaps on this function machine 
3. Write the following ratio in its simplest form, 4:6	4. What is the perimeter of the following shape? 
5. If I have 20 shirts and 4 are blue, what is the probability of me choosing a blue shirt?	6. What is the mode of the following set of numbers? 2, 3, 6, 7, 7, 9
7. List 5 different prime numbers.	8. Write the next three terms of the following sequence: 2, 5, 8, 11, _____, _____, _____
9. If I need 50 chocolate chips to make 10 cookies, how many do I need to make 20 cookies?	10. The triangle below is an equilateral triangle, what is the size of each angle? 
11. Find the median for the following set of numbers: 12, 15, 15, 16, 19, 21, 25	12. If the probability of choosing a strawberry from a bag of strawberries and apples is 0.25, what is the probability of choosing an apple?
13. Write the following decimals from smallest to largest: 0.13, 0.039, 0.31, 0.45, 0.045	14. Simplify $4x + 2y + 3x + 5y$
15. What is the area of the following shape 	16. Write down all the possibilities when rolling a fair six sided die.
17. What is 50% of 120?	18. Write an expression for the total cost of 4 pencils and 2 rubbers.
19. How many metres are in 3.5km?	20. If the pie chart below represents favourite sports of 40 people, approximately how many chose football? 
Total: _____ /20	Personal Target: _____