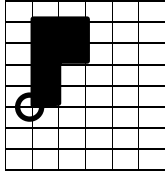
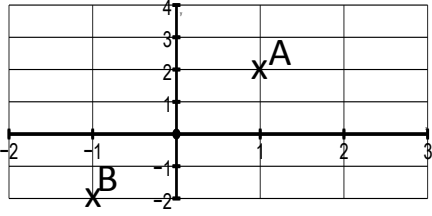
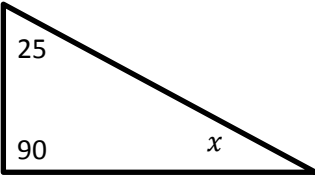
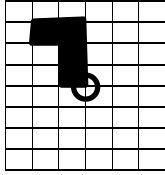
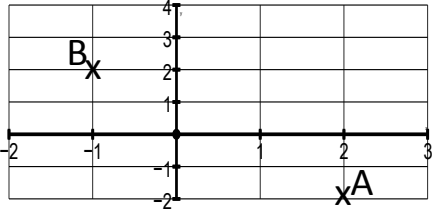
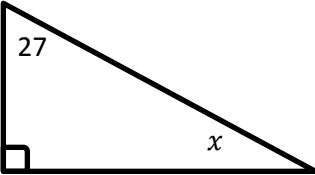


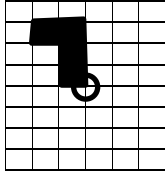
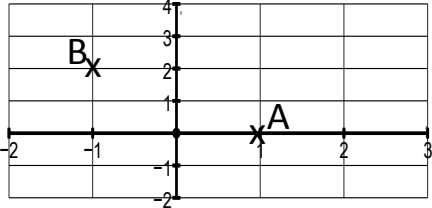
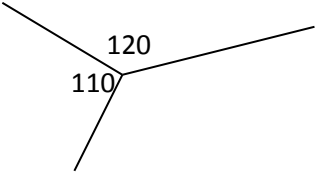
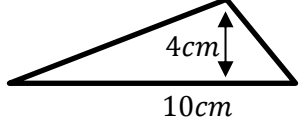
Level 5 Core Skills Practice Sheet 1

Section A: Numbers		Section C: Algebra		16. Rotate the following shape by 90° clockwise about O 	
1. Find the missing numbers $4 \div 100 = ?$ $? \times 10 = 3$?= ? =	12i simplify $5x + 2x + 8 - 3x - 14$			
2. Round 32.76 to 1 dp		12ii If $a = 3$ find the value of: $5(a + 3)$			
3. Write down the next 3 terms in the sequence: 5, 10, 20, ...		13 Write coordinates A and B		A:	
4.1 Find the missing numerator $\frac{3}{4} = \frac{?}{20}$				B:	
4.2. Write down the decimal equivalent to $\frac{3}{4}$					
5. Write $\frac{12}{15}$ in its simplest form				18. A cat measures 57cm. Write this in metres	
6. 30 children go on a trip. Boys and girls are in the ratio 3:7. How many girls are there?		Section D: Shape and Space		19. A rectangle has an area of 32cm^2 . Its base is 8cm, what is its height?	
Section B: Calculating		14. write down the order of rotational symmetry of a regular hexagon		Section E: handling data	
7. Calculate 11×3.6		15. Find the missing angle in the following triangle 		20. A bag contains the letters: I L O V E M A T H S. Find the probability of picking a vowel	
8.1 Find 15% of £30				22. Find the mean and median of the following discrete data: 5, 6, 8, 10, 12, 5	
8.2. Find $\frac{1}{5}$ of £30				23. Jack tosses a coin 10 times and gets 4 heads. Sally tosses the coin 100 times and gets 45 heads. Estimate the probability of getting a Head	
9. calculate 32×17					
10. The temperature in Moscow was -34°C . If this increases by 42°C what is the new temperature					
11. If 8 cans of coke cost £3.60, how much would 12 cans cost?					

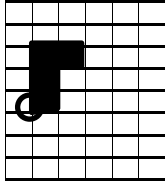
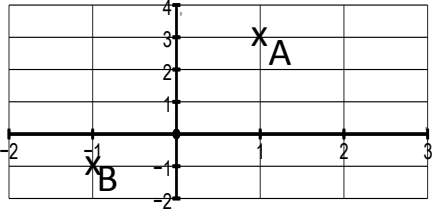
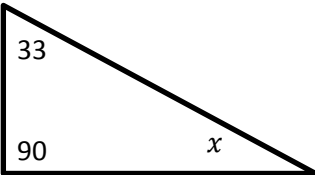
Level 5 Core Skills Practice Sheet 2

Section A: Numbers		Section C: Algebra		16. Rotate the following shape by 90° anti-clockwise about O		
1. Find the missing numbers $0.3 \times 100 = ?$ $? \times 100 = 4$		12i simplify $10x - 2y - 4x + 7y$				
2. Round 5.32 to 1 dp		12ii If $a = 5$ find the value of: $4 + 3a$				
3. Write down the next 2 terms in the sequence: 80, 40, 20...		13 Write coordinates A and B	A:	18. Sam drinks 330ml. How much is this in litres		
4.1 Find the missing denominator $\frac{7}{10} = \frac{28}{?}$			B:	19. Find the area of a triangle with a base of 17cm and a height of 3cm.		
4.2. Write down the decimal equivalent to $\frac{3}{10}$					Section E: handling data	
5. Write $\frac{10}{35}$ in its simplest form					20. A bag has 3 yellow sweets and 9 red sweets. Find the probability of getting a red sweet.	
6. Paul and Pam share money in the ratio 2: 5. If Paul gets £42. How much does Pam get?		Section D: Shape and Space		22. Find the mean of the data: 5, 4.5, 0.5, 2		
Section B: Calculating		14. How many sides does a pentagon have?		23. Mark thinks the probability of it raining is 0.2. He records the weather on 100 days. It rains 30 times. Write down your estimate for the probability of it raining.		
7. Calculate 11×0.3		15. Find the missing angle in the following triangle				
8.1 Find 35% of £50						
8.2. Find $\frac{1}{7}$ of £35						
9. calculate 19×12						
10. Simon has £320. He loses £535. How much is he in debt?						
11. 10 sweets cost £1.20. How much would 25 sweets cost?						

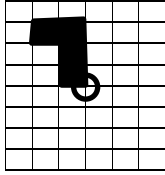
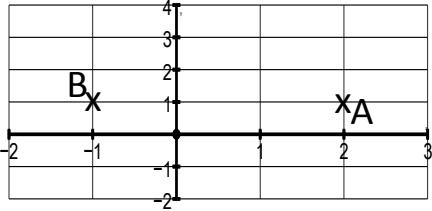
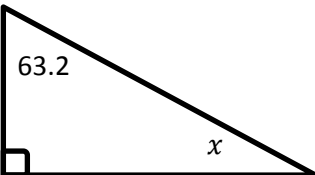
Level 5 Core Skills Practice Sheet 3

Section A: Numbers		Section C: Algebra		16. Rotate the following shape by 180°	
1. Find the missing numbers $30 \div 100 = ?$		12i simplify $3y - 9x - 3x + 4y$			
2. Which is the largest number: -3 or -7 or -5		12ii If $a = 5$ find the value of: $3a^2$			
3. What is the first term in this sequence: ?, 5, 10, 20		13 Write down midpoint of A and B	A:	18. How many mm are there in two metres?	
4.1 Find the missing denominator $\frac{15}{50} = \frac{3}{?}$			B:	19. What is the perimeter of a rectangle with a height of 2cm and a base of 7cm?	
4.2. Write down the decimal equivalent to $\frac{3}{5}$					Section E: handling data
5. Write $\frac{14}{21}$ in its simplest form		Section D: Shape and Space		20. The ratio of boys to girls is 1:3. What is the probability of picking a boy?	
6. Simplify the ratio: 15: 20		14. What is the order of rotational symmetry of a parallelogram		22. Find the median of: 4, 8, 11, 20	
Section B: Calculating		15. Find the missing angle		23. Find area of this triangle:	
7. Calculate 12×2.3					
8.1 Find 90% of £300					
8.2. Find $\frac{1}{11}$ of £44					
9. calculate $230 \div 5$					
10. The temperature rises by 17° to 5°. What was it before?					
11. 9 toys cost £33. How much would 3 toys cost?					

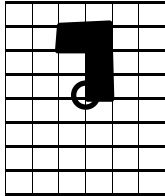
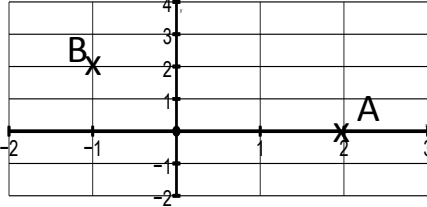
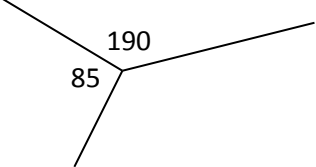
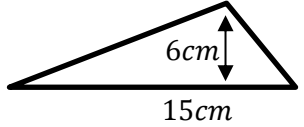
Level 5 Core Skills Practice Sheet 4

Section A: Numbers		Section C: Algebra		16. Rotate the following shape by 90° clockwise about O	
1. Find the missing numbers $3 \div 100 = ?$ $? \times 100 = 40$? = ? =	12i simplify $3x - 8 + 7x + 15$			
2. Round 4.89 to 1 dp		12ii If $a = 4$ find the value of: $3(a + 2)$			
3. Write down the next 3 terms in the sequence: 1, 2, 4, 8, ...		13 Write coordinates A and B	A:	18. A book weighs 302g. Write this in kilograms	
4.1 Find the missing numerator $\frac{5}{6} = \frac{?}{30}$			B:	19. A rectangle has an area of 40cm^2 . Its base is 5cm, what is its height?	
4.2. Write down the decimal equivalent to $\frac{7}{10}$					Section E: handling data
5. Write $\frac{15}{20}$ in its simplest form		Section D: Shape and Space		20. A bag contains 3 red and 7 green sweets. Find the probability of picking a red sweet.	
6. 50 children go on a trip. Boys and girls are in the ratio 2:3. How many boys are there?		14. write down the order of rotational symmetry of a regular pentagon		22. Find the mean and median of the following discrete data: 4, 7, 8, 13	
Section B: Calculating		15. Find the missing angle in the following triangle		23. Jack rolls a biased dice 10 times and gets a six twice. Write down the probability of getting a six based on Jack's experiment.	
7. Calculate 11×4.2					
8.1 Find 35% of £40					
8.2. Find $\frac{1}{6}$ of £24					
9. calculate 28×13					
10. Find $-27 + 64$					
11. If 9 sweets cost 27p, how much would 12 sweets cost?					

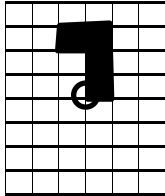
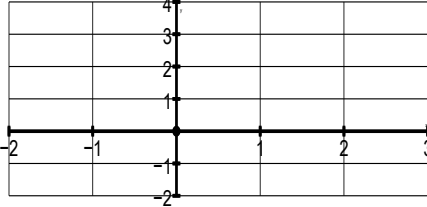
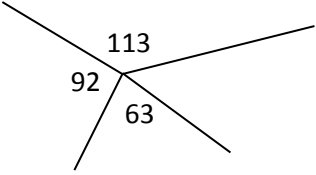
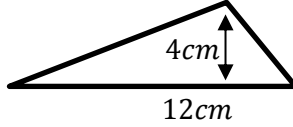
Level 5 Core Skills Practice Sheet 5

Section A: Numbers		Section C: Algebra		16. Rotate the following shape by 90° clockwise about O		
1. Find the missing numbers $0.22 \times 100 = ?$ $? \times 10 = 4.2$		12i simplify $10ab - 7ab$				
2. Round 5.996 to 1 dp		12ii If $a = 6$ find the value of: $2a + 3$				
3. Write down the next 2 terms in the sequence: 120, 60, 30, ...		13 Write coordinates A and B	A:			
4.1 Find the missing denominator $\frac{11}{40} = \frac{44}{?}$			B:	18. Sam drinks 70ml. How much is this in litres		
4.2. Write down the decimal equivalent to $\frac{9}{10}$					19. Find the area of a triangle with a base of 6cm and a height of 8cm.	
5. Write $\frac{30}{54}$ in its simplest form					Section E: handling data	
6. Paul and Pam share money in the ratio 3: 4. If Pam gets £6. How much does Paul get?		Section D: Shape and Space		20. On a standard dice, what is the probability of rolling at least a 2		
Section B: Calculating		14. How many sides does an octagon have?		22. Find the mean of the data: -3, 5, 7		
7. Calculate 21×0.2		15. Find the missing angle in the following triangle		23. Sam notes that it snows on 22 out of 100 days. Write down an estimate for the probability of snow.		
8.1 Find 15% of £400						
8.2. Find $\frac{1}{9}$ of £540						
9. calculate 32×26						
10. Simon has had -£127. He gains £432. How much has he now?						
11. 8 sweets cost 20 pence. How much would 12 sweets cost?						

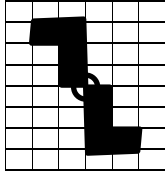
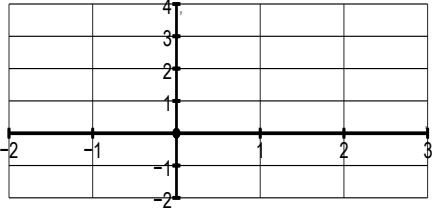
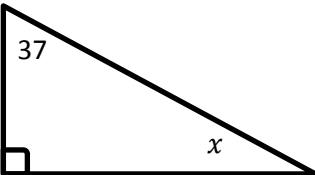
Level 5 Core Skills Practice Sheet 6

Section A: Numbers		Section C: Algebra		16. Rotate the following shape by 180°	
1. Find the missing numbers $52 \div 100 = ?$		12i simplify $5x - 2y + 7x - 9y$			
2. Which is the largest number: -11 or -2 or -12		12ii If $a = 3$ find the value of: $2a + 7$			
3. What is the first term in this sequence: ?, 1, 2, 4, 8		13 Write down midpoint of A and B	A:		
4.1 Find the missing denominator $\frac{5}{12} = \frac{20}{?}$			B:	18. How many cm are there in 3km?	
4.2. Write down the decimal equivalent to $\frac{11}{50}$					19. What is the perimeter of a rectangle with a height of 3cm and a base half the height.
5. Write $\frac{75}{100}$ in its simplest form		Section D: Shape and Space		Section E: handling data	
6. Simplify the ratio: 22: 33		14. How many lines of symmetry does a square have?		20. Jack's win:loss ratio is 3:7. What is the probability of him winning?	
Section B: Calculating				22. Find the median of: 2, 1, 7, 11	
7. Calculate 12×1.7		15. Find the missing angle		23. Find area of this triangle:	
8.1 Find 85% of £40					

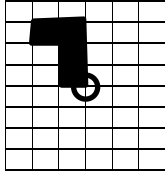
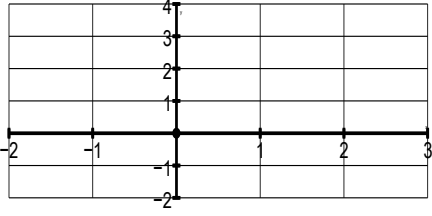
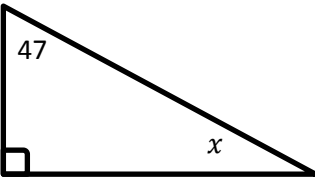
Level 5 Core Skills Practice Sheet 7

Section A: Numbers		Section C: Algebra		16. Rotate the following shape by 90° anti-clockwise	
1. Find the missing numbers $2.7 \div 10 = ?$		12i simplify $4x + 92x - 5y$			
2. Which is the largest number: -12, -11.5 or -12.1		12ii If $a = 7$ find the value of: $4(a + 3)$			
3. What is the first term in this sequence: 3, ?, 12, 24		13 Plot A=(3,-1) and B=(-1,-2)		18. How many mm are there in 3.5m	
4.1 Find the missing denominator $\frac{4}{9} = \frac{12}{?}$				19. A rectangle has an area of 32cm and a base of 4cm . What is its perimeter?	
4.2. Write down the decimal equivalent to $\frac{7}{25}$				Section D: Shape and Space	
5. Write $\frac{80}{90}$ in its simplest form		14. How many lines of symmetry does a parallelogram have?		20. What is the probability of rolling a prime number of an eight sided dice?	
6. Simplify the ratio: 15: 20		15. Find the missing angle		22. Find the mean of: 2.5, 3.5, 3 and 4	
Section B: Calculating				23. (level 6) Find area of this triangle:	
7. Calculate 13×1.1					
8.1 Find 35% of £30					

Level 5 Core Skills Practice Sheet 8

Section A: Numbers		Section C: Algebra		16. Describe the transformation below	
1. Calculate $0.21 \times 10 =$		12i simplify $5x - 7y - 11x + 10y$			
2. Round 5.98 to 1 dp		12ii If $a = 3$ find the value of: $3(a + 2) + 4$			
3. Write down the next 2 terms in the sequence: 4, 5, 7, 10, 14, ...		13 Plot $C = (-2, 3)$			
4.1 Find the missing denominator $\frac{3}{11} = \frac{?}{44}$				18. Paul's cat weighs 2705g. What is this in kilograms?	
4.2. Write down the decimal equivalent to $\frac{7}{100}$				19. Find the area of a rectangle with a base of 12cm and a width of 7cm	
5. Write $\frac{15}{45}$ in its simplest form				Section E: handling data	
6. Kim receives 5 times as much as Carl. If Carl receives £1.30 how much does Kim receive?		Section D: Shape and Space		20. A bag has 3 green, 4 blue and 2 red sweets. Find the probability of getting a red sweet	
Section B: Calculating		14. What do the angles in a quadrilateral add up to?		22. Find the mean of the data: 5, 7, 0	
7. Calculate 13×0.2					
8.1 Find 90% of £300		15. Find the missing angle in the following triangle		23. A biased coin has the probability of getting a head equal to 0.8. How many tails would you expect if you toss the coin 30 times?	
8.2. Find $\frac{3}{5}$ of £40					
9. calculate 32×23					
10. Calculate $-27 - 14$					
11. Paul buys 3 drinks for 93p. how much would 5 drinks cost?					

Level 5 Core Skills Practice Sheet 9

Section A: Numbers		Section C: Algebra		16. Translate this shape 2 right and 3 down. 	
1. Calculate 3.2×100		12i simplify $11x + 7 + 2x - 9$			
2. Round 2.417 to 1 dp		12ii If $a = 5$ find the value of: $7a - 24$		18. A drinks bottle contains 1.25 litres. What is this in ml?	
3. Write down the next 2 terms in the sequence: 40, 20, 10,...		13 Plot $C = (3, -1)$		19. Find the area of a rectangle with a base of 17cm and a width of 20mm	
4.1 Find the missing denominator $\frac{?}{10} = \frac{3}{5}$				Section E: handling data	
4.2. Write down the decimal equivalent to $\frac{21}{100}$				20. A bag has 3 green, 4 blue and 2 red sweets. Find the probability of getting a red or blue sweet	
5. Write $\frac{40}{60}$ in its simplest form		Section D: Shape and Space		22. Find the mean of the data: 10,10,10,2	
6. If Tim receives £300 for 2 days work, how much will he get in 5 days?		14. What is the order of rotational symmetry of a parallelogram?		23. The chance it rains is 0.4. How many wet days would you expect in 20 days?	
Section B: Calculating		15. Find the missing angle in the following triangle 			
7. Calculate 17×1.1					
8.1 Find 5% of £320					
8.2. Find $\frac{3}{4}$ of £120					
9. calculate 84×21					
10. Calculate -3×-11					
11. 1 loaf of bread weighs 400g. How much would $2 \frac{1}{2}$ loaves weigh?					

