FOCUS 3 TASKS - Set 1

Each of the 30 topics is covered once within the 5 sheets

Sheet 1A

Working out the best buy	Q1
Rearranging formulae	Q2
Inequalities	Q3
Calculating the area of a trapezium	Q4
Reflecting	Q5
Using a pie chart	Q6

Sheet 1B

Equivalence	Q1
Simplifying ratios	Q2
Working with directed numbers	Q3
Order of operations	Q4
Conversion graphs	Q5
Collecting like terms	Q6

Sheet 1C

Expressing as a percentage	Q1
Solving simple equations	Q2
Using the nth term of a sequence	Q3
Area of a triangle/parallelgoram	Q4
Mean from a frequency table	Q5
Using sample spaces	Q6

Sheet 1D

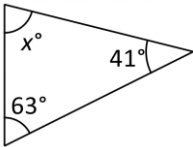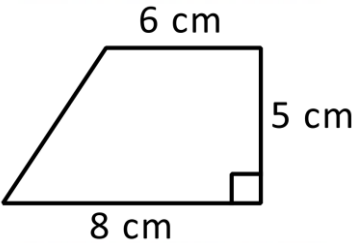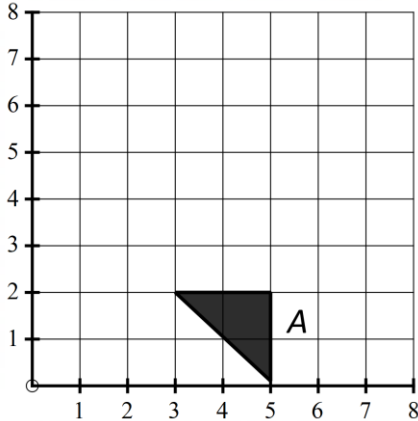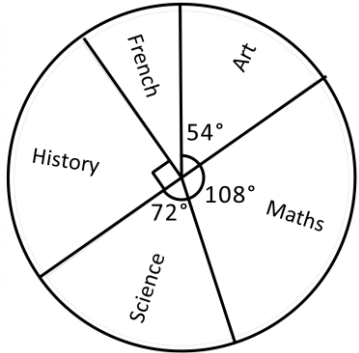|	
Using Given calculations	Q1
Using a calculator	Q2
Types of numbers	Q3
Simple substitution	Q4
Identifying the gradient of the line	Q5
Plotting a frequency polygon	Q6

Sheet 1E

Multiplying and dividing decimals	Q1
Calculating a fraction of a quantity	Q2
Percentage of a quantity	Q3
Dividing in a given ratio	Q4
Hire purchase problems	Q5
Conversions eg 5 miles = 8 km	Q6

FOCUS 3 TASK 1A

NAME _____

SKILLS CHECK

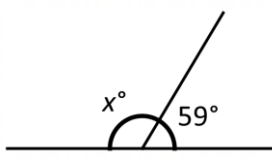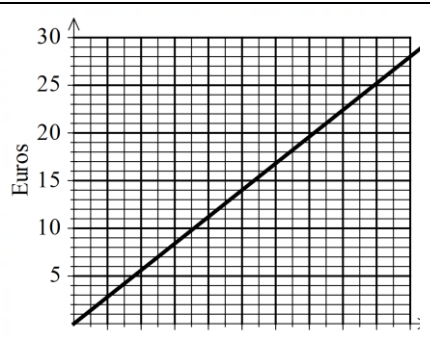| Complete 4.5 m = ? cm	Round 4.56 correct to 1 decimal place	Work out $234 \times 6 =$	Round 4352 correct to 1 significant figure
Work out $245 \div 7$	Work out $542 + 359$	Work out the size of the angle marked x $x°$ $41°$ $63°$	Work out $625 - 372$

QUESTION 1	QUESTION 2	QUESTION 3
Which is the best buy? Pack of 8 apples for £1.65 Pack of 6 apples for £1.25	Make x the subject of the formula $y = x + a$	List the integer values of n which satisfy the inequality $2 \leq n < 7$

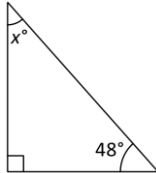| QUESTION 4	QUESTION 5	QUESTION 6
Calculate the area of the trapezium 6 cm 5 cm 8 cm	Reflect triangle A in the line y = 3 Label your triangle B	If 30 students chose History, how many students chose Art? French, Art, History, 54°, 108°, Maths, 72°, Science

FOCUS 3 TASK 1B
NAME _____

SKILLS CHECK

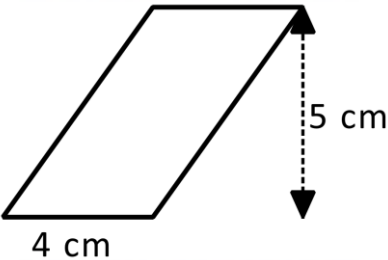| Complete 65 mm = ? cm	Round 12.095 correct to 1 decimal place	Work out $375 \times 7 =$	Round 5049 correct to 1 significant figure
Work out $424 \div 8$	Work out $857 + 683$	Work out the size of the angle marked x $x°$ $59°$	Work out $702 - 542$

QUESTION 1	QUESTION 2	QUESTION 3
Express $\frac{2}{5}$ as a decimal 15% as a fraction (simplest form)	Simplify the ratio 4 days : 2 weeks	Work out a) -5 + 9 = b) -3 – 7 =

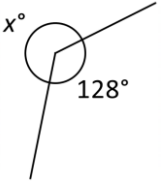| QUESTION 4	QUESTION 5	QUESTION 6
Work out $4 + 5 \times 2 - 2$ Fill in the missing operations 2 20 2 = 12	Euros graph (30, 25, 20, 15, 10, 5) vs (2 4 6 8 10 12 14 16 18 20) Complete a) £10 = € b) €42 = £	Simplify a) $x + y + 2x + y$ b) $2x + y - x + 2y$

FOCUS 3 TASK 1C

NAME _____

SKILLS CHECK

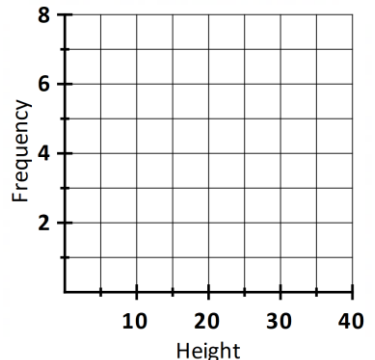| Complete 75 cm = ? m	Round 0.1555 correct to 1 decimal place	Work out $657 \times 5 =$	Round 6254 correct to 1 significant figure
Work out $486 \div 3$	Work out $857 + 683$	Work out the size of the angle marked x 48°	Work out $652 - 283$

QUESTION 1	QUESTION 2	QUESTION 3
James scored 18 out of 25 in a test. What is this as a percentage?	Solve a) $x + 6 = 11$ b) $3x = 15$	The nth term of a sequence is 3n + 2 Work out the first 3 terms of the sequence What is the value of the 20th term?

QUESTION 4	QUESTION 5	QUESTION 6
Calculate the area of the parallelogram 5 cm 4 cm	Calculate the mean shoe size | Size	Frequency
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1	3
2	4
3	6
4	6
5	1		Two four sided dice are rolled and the scores are added. Complete the sample space diagram | +	1	2	3	4
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1	2		4	
2				
3			6	
4					 What is the probability of scoring a total of 5?

FOCUS 3 TASK 1D

NAME _____

SKILLS CHECK

Complete 105 cm = ? m	Round 0.0624 correct to 1 decimal place	Work out $354 \times 7 =$	Round 12.25 correct to 1 significant figure
Work out $510 \div 6$	Work out $853 + 688$	Work out the size of the angle marked x $x°$ $128°$	Work out $624 - 287$

QUESTION 1	QUESTION 2	QUESTION 3
$324 \times 45 = 14580$ Work out $32.4 \times 4.5 =$ $325 \times 45 =$	Use a calculator to work out $\dfrac{25 \times 0.24}{0.3}$ 37% of £120	List the factors of 36 and 90 What is the highest common factor of 36 and 90?

QUESTION 4	QUESTION 5	QUESTION 6
If $x = 4$ work out the value of $5x$ $2x + 2$	What is the gradient of the line?	Plot a frequency polygon

QUESTION 5

QUESTION 6

Height	0 <h ≤ 10	10 <h ≤ 20	20 <h ≤ 30	30 <h ≤ 40
Freq	1	2	7	3

FOCUS 3 TASK 1E

NAME _____

SKILLS CHECK

Complete 3200 = ? km	Round 10.049 correct to 1 decimal place	Work out 608 × 9 =	Round 25.34 correct to 1 significant figure
Work out 476 ÷ 7	Work out 307 + 393	Work out the size of the angle marked x	Work out 805 − 517

QUESTION 1	QUESTION 2	QUESTION 3
Work out $1.5 \times 0.4 =$ $4.8 \div 4 =$	Work out $\frac{2}{7}$ of £84 $\frac{1}{4}$ of beads in a pot are red and the rest are blue. If there are 16 red beads, what is the total number of beads in the pot?	Work out 10% of £440 35% of £440
QUESTION 4	QUESTION 5	QUESTION 6
Divide £135 in the ratio 4 : 5	Alex buys a new car. He pays a £1500 deposit followed by 36 monthly payments of £180. What is the total paid?	5 miles = 8 km Complete 25 miles = ? km 36 km = ? miles