## FOCUS 4 TASKS - Set 1

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

## Sheet 1A

| Use of Calculator (inc percentages) | Q 1 |
| :--- | :---: |
| Expand and Simplify | Q 2 |
| Linear equations | Q 3 |
| Trigonometry | Q 4 |
| Rotations | Q 5 |
| Plans and Elevations | Q 6 |

## Sheet 1 C

| Exchange Rates | Q 1 |
| :--- | :---: |
| Translations | Q 2 |
| Sequences - nth term | Q 3 |
| Straight Line Graphs | Q 4 |
| Estimation | Q 5 |
| Enlargements | Q 6 |

## Sheet 1B

| Two Way Tables |
| :--- |
| Expanding Double Brackets |
| Circles |
| Product of Prime Factors |
| Averages from a Table |
| Compound Measures |

## Sheet 1D

| Probability from a Table |
| :--- |
| Pythagoras |
| Reflections |
| Standard Form |
| Averages from Grouped Data |
| Equivalence |

## Sheet 1 E

| Scatter Graphs | Q1 |
| :--- | :---: |
| Alternate and Corresponding Angles | Q 2 |
| Index Laws | Q 3 |
| Inequalities | Q 4 |
| Volume | Q 5 |
| Proportion | Q 6 |

$\qquad$

## SKILLS CHECK

| 1) $58+98=$ | 2) $96-59$ | 3) $6 \times 7$ |
| :--- | :--- | :--- |
| 4$) 5 \div 20$ | 5) $\frac{2}{3} \times \frac{1}{4}$ | 6) Write in ascending order <br> $0.11,0.1,0.101$, |
| 7) $15 \%$ of $£ 480$ | 8) A distance of 5 km is <br> represented as 10 cm on a map. <br> What is the scale of the map? | 9) Divide $£ 320$ in the ratio $3: 5$ |



## SKILLS CHECK

| 1) $39+76=$ | 2) $82-47$ | 3) $9 \times 8$ |
| :--- | :--- | :--- |
| 4$) 8 \div 16$ | 5) $\frac{1}{5} \times \frac{5}{6}$ | 6) Write in ascending order <br> $0.2,0.052,0.502$ |
| 7) $20 \%$ of $£ 68$ | 8) A distance of 2 km is <br> represented as 10 cm on a map. <br> What is the scale of the map? | 9) Divide $£ 105$ in the ratio $7: 8$ |



## SKILLS CHECK

| 1) $89+37=$ | 2) $85-58$ | 3) $9 \times 12$ |
| :--- | :--- | :--- |
| 4$) 9 \div 36$ | 5) $\frac{5}{8} \times \frac{4}{5}$ | 6) Write in ascending order <br> $0.5,0.501,0.051$ |
| 7) $35 \%$ of $£ 120$ | 8) A distance of 200 m is <br> represented as 10 cm on a map. <br> What is the scale of the map? | 9) Divide $£ 480$ in the ratio $7: 9$ |



## SKILLS CHECK

| 1) $68+76=$ | 2) $92-48$ | $3) 8 \times 8$ |
| :--- | :--- | :--- |
| 4$) 9 \div 12$ | 5) $\frac{3}{4} \times \frac{5}{6}$ | 6) Write in ascending order <br> $0.3,0.203,0.32$ |
| 7) $40 \%$ of $£ 84$ | 8) A distance of 10 m is <br> represented as 10 cm on a map. <br> What is the scale of the map? | 9) Divide $£ 520$ in the ratio $6: 7$ |



## SKILLS CHECK

| 1) $74+76=$ | 2) $92-38$ | 3) $7 \times 8$ |
| :--- | :--- | :--- |
| 4) $15 \div 20$ | 5) $\frac{7}{10} \times \frac{3}{14}$ | 6) Write in ascending order <br> $0.5,0.505,0.055$ |
| 7) $95 \%$ of $£ 102$ | 8) A distance of 50 m is <br> represented as 10 cm on a map. <br> What is the scale of the map? | 9) Divide $£ 1044$ in the ratio $1: 8$ |


| QUESTION 1 | QUESTION 2 | QUESTION 3 |
| :---: | :---: | :---: |
|  | Calculate x and y | Simplify $\left(2 x^{2} y\right)^{3}$ <br> Express $3^{-3}$ as a fraction |
| QUESTION 4 | QUESTION 5 | QUESTION 6 |
| Solve $3 x-6 \geq x-2$ <br> What is the smallest integer value of $x$ that satisfies the inequality? | Calculate the volume of a sphere with radius 7 cm using the formula $V=\frac{4}{3} \pi r^{3}$ <br> (answer correct to 1 decimal place) | A recipe for 6 pies uses 160 g of flour. How much flour will be needed to make 21 pies? |

