## FOCUS 4 TASKS - Set 2

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

## Sheet 2A

| Exchange Rates | Q 1 |
| :--- | :---: |
| Averages from a Table | Q 2 |
| Expanding Double Brackets | Q 3 |
| Enlargements | Q 4 |
| Standard Form | Q 5 |
| Alternate and Corresponding Angles | Q 6 |

## Sheet 2C

| Scatter Graphs | Q 1 |
| :--- | :---: |
| Inequalities | Q 2 |
| Pythagoras | Q 3 |
| Translations | Q 4 |
| Reflections | Q 5 |
| Linear equations | Q 6 |

## Sheet 2B

| Two Way Tables | Q1 |
| :--- | :---: |
| Index Laws | Q2 |
| Averages from Grouped Data | Q3 |
| Compound Measures | Q4 |
| Rotations | Q5 |
| Plans and Elevations | Q6 |

## Sheet 2D

| Probability from a Table | Q1 |
| :--- | :---: |
| Use of Calculator (inc percentages) | Q2 |
| Expand and Simplify | Q3 |
| Circles | Q4 |
| Trigonometry | Q5 |
| Product of Prime Factors | Q6 |

## Sheet 2E

| Volume | Q 1 |
| :--- | :---: |
| Equivalence | Q 2 |
| Straight Line Graphs | Q 3 |
| Proportion | Q 4 |
| Sequences - nth term | Q 5 |
| Estimation | Q 6 |

## SKILLS CHECK

| 1) $558+198=$ | 2) $302-59$ | 3) $62 \times 37$ |
| :--- | :--- | :--- |
| 4$) 96 \div 8$ | 5) $\frac{2}{3} \div \frac{1}{4}$ | 6) What is the value of the <br> underlined figure 3.54? |
| 7) $8 \%$ of $£ 48$ | 8) A distance of 2.1 m is shown on a <br> plan with scale 1:10 .Find the length <br> on the plan | 9) A prize is divided in the ratio 3:4. <br> If the largest share is $£ 48$, what is the <br> other amount? |



## SKILLS CHECK

| 1) $758+237=$ | 2) $803-127$ | 3) $2.5 \times 42$ |
| :--- | :--- | :--- |
| 4$) 108 \div 12$ | 5) $\frac{4}{5} \div \frac{2}{3}$ | 6) What is the value of the <br> underlined figure 10.05 |
| 7) $6 \%$ of $£ 80$ | 8) A distance of 50 m is shown on a <br> plan with scale 1:1000. Find the <br> length on the plan | 9) A prize is divided in the ratio 4:7. <br> Ifthe largest share is $£ 84$, what is the <br> other amount? |



## SKILLS CHECK

| 1) $) 458+336=$ | 2) $911-264$ | 3) $1.5 \times 82$ |
| :--- | :--- | :--- |
| 4$) 63 \div 9$ | 5) $\frac{1}{8} \div \frac{3}{4}$ | 6) What is the value of the <br> underlined figure $12.764 ?$ |
| 7) $4 \%$ of $£ 65$ | 8) A distance of 40 m is shown <br> on a plan with scale $1: 1000$. Find <br> the length on the plan | 9) A prize is divided in the ratio <br> 2: 5. If the smallest share is $£ 48$, what <br> is the other amount? |


| QUESTION 1 | QUESTION 2 | QUESTION 3 |
| :---: | :---: | :---: |
|  | Solve $3 x-2<x+8$ <br> Show your solution on the number line | Calculate $\times$ correct to 1 decimal place |
| QUESTION 4 | QUESTION 5 | QUESTION 6 |
| Translate shape A by vector $\binom{-2}{4}$. Label your new shape B | Describe fully the single transformation that maps triangle A onto triangle B | Solve $\frac{x+3}{2}=4$ |

## SKILLS CHECK

| 1) $752+337=$ | 2) $852-269$ | 3) $84 \times 35$ |
| :--- | :--- | :--- |
| 4$) 132 \div 11$ | 5) $\frac{4}{5} \div \frac{7}{10}$ | 6) What is the value of the <br> underlined figure $0.006 \underline{5}$ |
| 7) $2.5 \%$ of $£ 30$ | 8) A distance of 5 m is shown on a <br> plan with scale $1: 10000$.Find the <br> length on the plan | 9) A prize is divided in the ratio $7: 3$. <br> If the largest share is $£ 112$, what is <br> the other amount? |


| QUESTION 1 |  |  |  |  | QUESTION 2 | QUESTION 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| The table shows the probability of picking different coloured counters |  |  |  |  | Give your answers correct to 1 decimal place | Expand and simplify $3(2 x+2)-2(x-5)$ |
| Card | red | grey | pink | blue | Work out |  |
| Probability | 0.14 | 0.62 |  | 0.2 | $2.5^{4}-\frac{1}{5}$ |  |
| Calculate the probability of picking a pink counter <br> Calculate the probability of picking a blue or grey counter |  |  |  |  |  |  |
|  |  |  |  |  | $(3.24-1.58)^{3}$ |  |
|  | QUE | STIO |  |  | QUESTION 5 | QUESTION 6 |
| Calculate the circumference of the circle. Give your answer correct to 1 decimal place |  |  |  |  | Calculate $\times$ correct to 1 decimal place | Express 96 as the product if prime factors |

## SKILLS CHECK

| 1) $609+248=$ | 2) $964-359$ | 3) $2.8 \times 4.5$ |
| :--- | :--- | :--- |
| 4$) 72 \div 8$ | 5) $\frac{9}{10} \div \frac{3}{5}$ | 6) What is the value of the <br> underlined figure 20.02 |
| 7) $1.5 \%$ of $£ 240$ | 8) A distance of 0.8 km is shown on <br> a plan with scale $1: 10000$. Find the <br> length on the plan | 9) A prize is divided in the ratio $5: 2$. <br> If the smallest share is $£ 42$, what is <br> the other amount? |


| QUESTION 1 | QUESTION 2 | QUESTION 3 |
| :---: | :---: | :---: |
| Calculate the volume | Express $\frac{25}{200}$ as a percentage <br> Express 0.65 as a fraction in its lowest form | Complete the table of values and plot the graph of $y=7-x$ |
| QUESTION 4 | QUESTION 5 | QUESTION 6 |
| A recipe for 6 pies uses 285 g of flour. If Molly has 475 g of flour, how many pies can she make? | Find the nth term of $5,8,11,14, \ldots$ <br> How many terms in the sequence are less than 100 ? | Estimate $\sqrt{45.69+1.76 \times 7.45}$ |

