## Fractions and Percentages Targeted Feedback

T1
Work out the calculations below. You may use the bar models to help you.

$$
\frac{1}{4} \text { of } 60
$$



$$
\frac{2}{5} \text { of } 35
$$



$$
\frac{5}{6} \text { of } 48
$$

|  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

a
Billy has $£ 40$ pocket money. He spends $15 \%$ on a present for his little sister. He spends a further $30 \%$ on going to the cinema.

How much money does he have left?

## You must show your working.

B
Joanne has $£ 75$ saved up. She spends $30 \%$ on a present for her brother. She spends a further $20 \%$ on going out with her friends.

How much does she have left?
You must show your working.

A Bill is thinking of a number. One eighth of Bill's number is 20. What is the number of which Bill was thinking?

B Amy is thinking of a number. One quarter of Amy's number is 120. Of which number is Amy thinking?

C Alisha is thinking of a number. One tenth of Alisha's number is 35 . Of what number is Alisha thinking?

D Stuart is thinking of a number. Half of the number of which Stuart is thinking is 35. Of what number is Stuart thinking?

E Aysha is thinking of a number. Two thirds of the number of which she is thinking is 68. Of what number is Aysha thinking?

F James is thinking of a number. Seven-eighths of his number is 21 . What is the number of which he is thinking?

A Work out $85 \%$ of 240 .

B Work out $65 \%$ of 360 .

C Work out $84 \%$ of 300 .

D Work out 55\% of 150 .

E Work out $165 \%$ of 80.

F Work out $245 \%$ of 120.

Match the cards of equal value.

| $\frac{2}{3}$ of 60 |
| :---: |
| $\frac{3}{4}$ of 120 |
| $\frac{5}{8}$ of 88 |
| $\frac{4}{5}$ of 150 |
| $\frac{7}{10}$ of 240 |


| $50 \%$ of 180 |
| :---: |
| $25 \%$ of 220 |
| $20 \%$ of 200 |
| $10 \%$ of 1670 |
| $30 \%$ of 400 |

T6 Round the following calculator displays to the nearest penny.

| A | 0.928 | B | 1.833 | C | 2.992 | D | 8.939 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| E | 0.938 | F | 0.8391 | G | 38.9219 | H | 3.028 |
| I | 2.918 | J | 3.9988 | K | 0.002 | L | 93.8201 |

T7 Show which of these is the greater in value.

A
$150 \%$ of 90
$\frac{7}{8}$ of 160

B
$350 \%$ of 25
$\frac{1}{2}$ of 175

C
$42 \%$ of 800
$\frac{2}{5}$ of 825

T8
A Work out $45 \%$ of $\frac{7}{8}$ of $£ 350$ to the nearest penny.

B Work out $\frac{4}{5}$ of $55 \%$ of $£ 5050$ to the nearest penny.

## Practice work

Answer the following questions.
$185 \%$ of 0.823
$252 \%$ of 250
$3 \quad 8 \%$ of $\frac{5}{6}$
$4 \quad 12 \%$ of $£ 849$ to the nearest penny
$5 \quad 0.829 \times 0.29$
$635 \%$ of $\frac{5}{8}$ of $£ 540$ to the nearest penny

