

**Question 1**

Can you complete the gaps?

**a**  p = £1

**b** £2 and 45p =  p

**c** £5 =  p

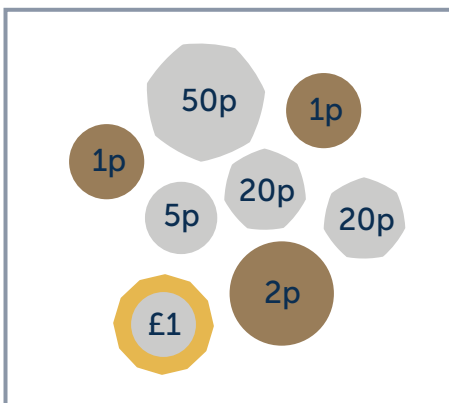
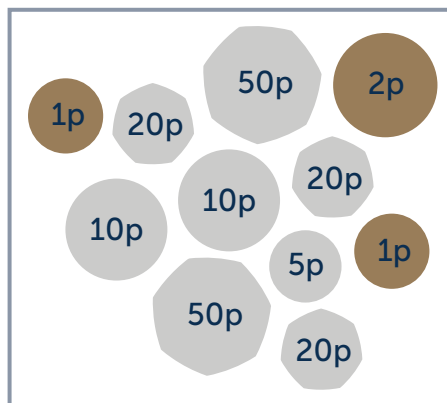
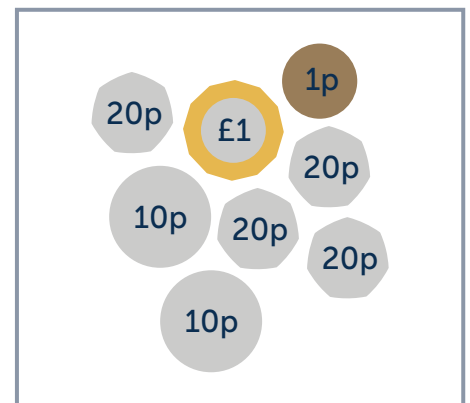
**d** 330p = £  and  p

**e** 200p = £

**f** 965p = £  and  p

**Question 2**

How much money is shown in each money box?

**a**£  and  p**b**£  and  p**c**£  and  p

Which money box contains the greatest amount of money?

**Question 3**

Match each calculation with its answer.

|               |             |
|---------------|-------------|
| $45p + 50p =$ | $20p - 3p$  |
| $50p - 19p =$ | $50p + 37p$ |
| $51p + 20p =$ | $10p + 21p$ |
| $£1 - 73p =$  | $50p - 23p$ |
| $£1 - 13p =$  | $£1 - 29p$  |
| $20p - 9p =$  | $£1 - 34p$  |
| $12p + 5p =$  | $£1 - 5p$   |
| $56p + 10p =$ | $10p + 1p$  |

**Question 4**

Can you complete the money calculations?

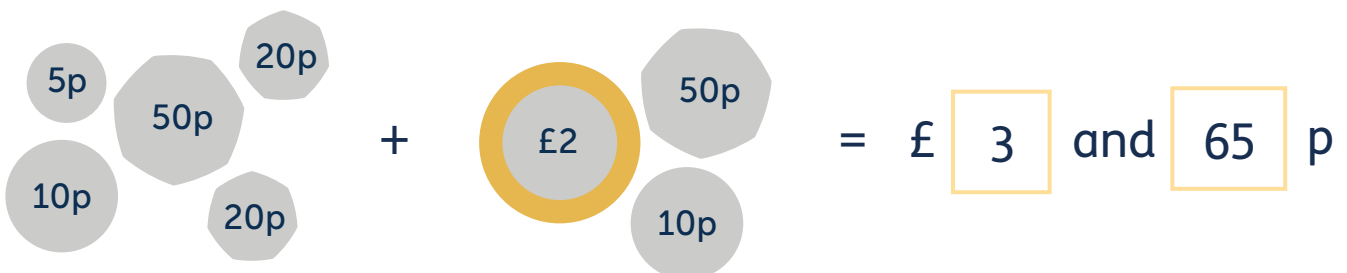
**a**


Diagram showing coins and a banknote:

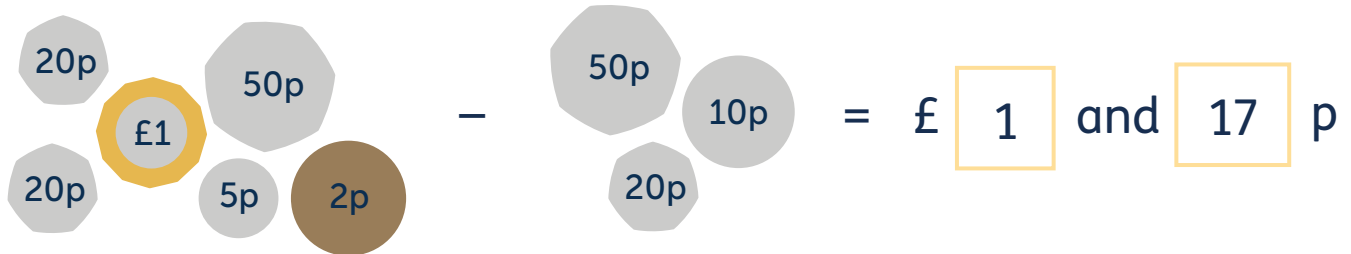
- Group 1: 5p, 10p, 20p, 20p, 50p
- Group 2: £2 (banknote), 50p, 10p

Calculation:  $\text{Group 1} + \text{Group 2} = \text{£ } \boxed{3} \text{ and } \boxed{65} \text{ p}$

# Money

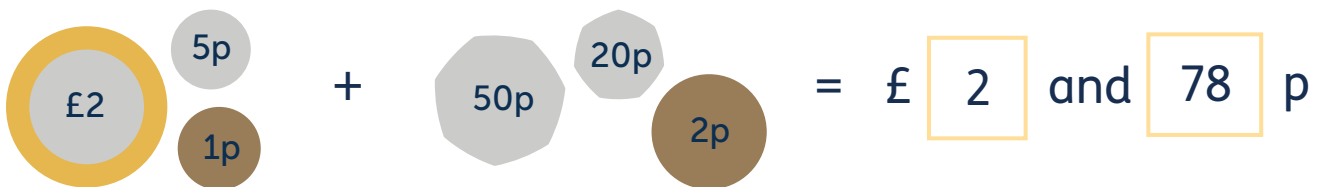
Answer sheet

b



$$20\text{p} + 20\text{p} + \text{£}1 + 50\text{p} + 5\text{p} + 2\text{p} - (50\text{p} + 10\text{p} + 20\text{p}) = \text{£} 1 \text{ and } 17 \text{ p}$$

c

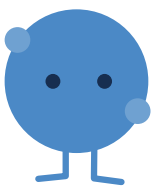


$$\text{£}2 + 5\text{p} + 1\text{p} + 50\text{p} + 20\text{p} + 2\text{p} = \text{£} 2 \text{ and } 78 \text{ p}$$

## Question 5

Can you answer these money problems?

a



Kayleigh has £10. She buys a comic for £3 and 30p and a bag of sweets for £2 pounds and 50p. How much money does she have left?

$\text{£}10 - \text{£}3 \text{ and } 30\text{p} = \text{£}6 \text{ and } 70\text{p}$

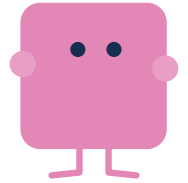
$\text{£}6 \text{ and } 70\text{p} - \text{£}2 \text{ and } 50\text{p} = \text{£}4 \text{ and } 20\text{p}$

Kayleigh has £4 and 20p left.



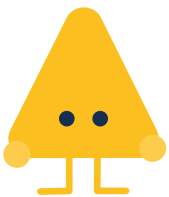
Alessia has saved £4 and 75p. Her brother has saved £3 and 20p. How much do they have altogether?

b



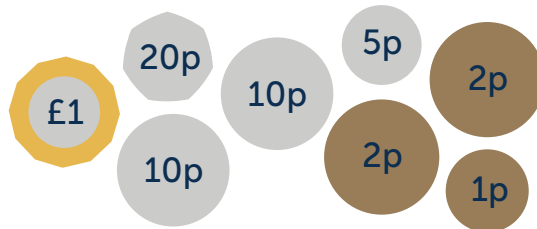
£4 and 75p + £3 and 20p = £7 and 95p  
They have £7 and 95p.

c



Sriram has 8 coins. He has less than £2. He has no more than two coins of the same value. Can you draw what coins Sriram might have?

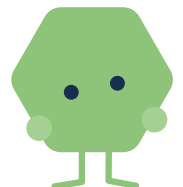
e.g.



Sriram has  
£1 and 50p

I have 6 coins. My big sister has 8 coins. My sister says she must have more money than me. Is she right? Can you prove it?

d



No, she  
isn't right.



e.g. I have £2 and 50p



My sister has 94p

# Multiplying and dividing

Answer sheet

## Question 1

Can you complete these multiplication calculations?

**a**

|       | T | O |
|-------|---|---|
|       | 3 | 3 |
| ×     |   | 3 |
| <hr/> |   |   |
|       | 9 | 9 |

**b**

|       | H | T | O |
|-------|---|---|---|
|       |   | 3 | 9 |
| ×     |   |   | 3 |
| <hr/> |   |   |   |
|       | 1 | 1 | 7 |
| <hr/> |   |   |   |
|       |   |   | 2 |

**c**

|       | H | T | O |
|-------|---|---|---|
|       |   | 2 | 8 |
| ×     |   |   | 4 |
| <hr/> |   |   |   |
|       | 1 | 1 | 2 |
| <hr/> |   |   |   |
|       |   |   | 3 |

**d**

|       | Th | H | T | O |
|-------|----|---|---|---|
|       |    | 2 | 2 | 2 |
| ×     |    |   |   | 5 |
| <hr/> |    |   |   |   |
|       | 1  | 1 | 1 | 0 |
| <hr/> |    |   |   |   |
|       |    |   | 1 | 1 |

**e**

|       | Th | H | T | O |
|-------|----|---|---|---|
|       |    | 4 | 5 | 4 |
| ×     |    |   |   | 6 |
| <hr/> |    |   |   |   |
|       | 2  | 7 | 2 | 4 |
| <hr/> |    |   |   |   |
|       |    |   | 3 | 2 |

**f**

|       | Th | H | T | O |
|-------|----|---|---|---|
|       |    | 3 | 4 | 4 |
| ×     |    |   |   | 9 |
| <hr/> |    |   |   |   |
|       | 3  | 0 | 9 | 6 |
| <hr/> |    |   |   |   |
|       |    |   | 3 | 3 |



# Multiplying and dividing

Answer sheet

## Question 2

Can you complete these word problems?

- a** A coach can seat 69 people.  
How many people can sit  
on 6 of these coaches?

414 people

|   | Th | H | T | O |
|---|----|---|---|---|
|   |    |   | 6 | 9 |
| × |    |   |   | 6 |
|   |    |   |   |   |
|   |    | 4 | 1 | 4 |
|   |    |   |   |   |
|   |    |   |   | 5 |

- b** A cinema has 437 seats.  
The cinema is sold out 5  
nights in a row. How many  
people went to the cinema?

2185 people

|   | Th | H | T | O |
|---|----|---|---|---|
|   |    | 4 | 3 | 7 |
| × |    |   |   | 5 |
|   |    |   |   |   |
|   | 2  | 1 | 8 | 5 |
|   |    |   |   |   |
|   |    |   | 1 | 3 |

## Question 3

Can you complete these division calculations?

**a**

|                                                                 | T                                                             | O                                                                                                                           |
|-----------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                                                                 | <span style="border: 1px solid black; padding: 5px;">2</span> | <span style="border: 1px solid black; padding: 5px;">4</span>                                                               |
|                                                                 | <hr/>                                                         |                                                                                                                             |
| <span style="border: 1px solid black; padding: 5px;">3</span> ) | <span style="border: 1px solid black; padding: 5px;">7</span> | <span style="border: 1px solid black; padding: 5px;">1</span> <span style="border: 1px solid black; padding: 5px;">2</span> |

**b**

|                                                                 | T                                                             | O                                                                                                                           |
|-----------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                                                                 | <span style="border: 1px solid black; padding: 5px;">2</span> | <span style="border: 1px solid black; padding: 5px;">3</span>                                                               |
|                                                                 | <hr/>                                                         |                                                                                                                             |
| <span style="border: 1px solid black; padding: 5px;">4</span> ) | <span style="border: 1px solid black; padding: 5px;">9</span> | <span style="border: 1px solid black; padding: 5px;">1</span> <span style="border: 1px solid black; padding: 5px;">2</span> |



# Multiplying and dividing

Answer sheet

c

$$\begin{array}{r} \text{T} \quad \text{O} \\ \boxed{1} \quad \boxed{9} \\ 5 \overline{) 945} \end{array}$$

d

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \boxed{\phantom{0}} \quad \boxed{3} \quad \boxed{9} \\ 8 \overline{) 33172} \end{array}$$

e

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \boxed{\phantom{0}} \quad \boxed{6} \quad \boxed{5} \\ 5 \overline{) 33225} \end{array}$$

f

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \boxed{2} \quad \boxed{4} \quad \boxed{3} \\ 4 \overline{) 91712} \end{array}$$

## Question 4

A farmer always keeps the same number of sheep in each field.

- a He has 96 sheep and 3 fields. How many sheep are kept in each field?

32

$$\begin{array}{r} 32 \\ 3 \overline{) 96} \end{array}$$

- b The farmer buys another field, but still wants the same number of sheep in each field. How many sheep are in each field now?

24

$$\begin{array}{r} 24 \\ 4 \overline{) 96} \end{array}$$



# Multiplying and dividing

Answer sheet

- c** The farmer buys more sheep and more fields. He now has 256 sheep and 8 fields. How many sheep are in each field?

32

$$\begin{array}{r} 32 \\ 8 \overline{) 256} \end{array}$$

## Question 5

Fill in the missing numbers in these multiplication calculations.

**a**

|       | H | T | O |
|-------|---|---|---|
|       |   | 5 | 9 |
| ×     |   |   | 4 |
| <hr/> |   |   |   |
|       | 2 | 3 | 6 |
| <hr/> |   |   |   |
|       |   | 3 |   |

**b**

|       | H | T | O |
|-------|---|---|---|
|       |   | 5 | 2 |
| ×     |   |   | 8 |
| <hr/> |   |   |   |
|       | 4 | 1 | 6 |
| <hr/> |   |   |   |
|       |   | 1 |   |

**c**

|       | Th | H | T | O |
|-------|----|---|---|---|
|       |    | 5 | 1 | 4 |
| ×     |    |   |   | 8 |
| <hr/> |    |   |   |   |
|       | 4  | 1 | 1 | 2 |
| <hr/> |    |   |   |   |
|       | 1  | 3 |   |   |

**d**

|       | Th | H | T | O |
|-------|----|---|---|---|
|       |    | 8 | 9 | 3 |
| ×     |    |   |   | 9 |
| <hr/> |    |   |   |   |
|       | 8  | 0 | 3 | 7 |
| <hr/> |    |   |   |   |
|       | 8  | 2 |   |   |



# Multiplying and dividing

Answer sheet

## Question 1

Can you use the grid method of multiplication to complete these calculations?

**a**  $23 \times 58 =$  1334

|    |      |     |      |
|----|------|-----|------|
| ×  | 20   | 3   |      |
| 50 | 1000 | 150 | 1150 |
| 8  | 160  | 24  | 184  |
|    |      |     | 1334 |

**b**  $64 \times 61 =$  3904

|    |      |     |      |
|----|------|-----|------|
| ×  | 60   | 4   |      |
| 60 | 3600 | 240 | 3840 |
| 1  | 60   | 4   | 64   |
|    |      |     | 3904 |

**c**  $45 \times 14 =$  630

|    |     |    |     |
|----|-----|----|-----|
| ×  | 40  | 5  |     |
| 10 | 400 | 50 | 450 |
| 4  | 160 | 20 | 180 |
|    |     |    | 630 |

**d**  $15 \times 73 =$  1095

|    |     |     |      |
|----|-----|-----|------|
| ×  | 10  | 5   |      |
| 70 | 700 | 350 | 1050 |
| 3  | 30  | 15  | 45   |
|    |     |     | 1095 |



# Multiplying and dividing

Answer sheet

## Question 2

Can you use the formal method of multiplication to complete these calculations?

**a**  $751 \times 46 =$

34,546

| TTh | Th           | H                 | T | O |
|-----|--------------|-------------------|---|---|
|     | <sup>2</sup> | <del>7</del><br>7 | 5 | 1 |
|     | ×            |                   | 4 | 6 |
|     |              |                   |   |   |
|     | 4            | 5                 | 0 | 6 |
| 3   | 0            | 0                 | 4 | 0 |
| 3   | 4            | 5                 | 4 | 6 |

**b**  $461 \times 61 =$

28,121

| TTh | Th           | H | T | O |
|-----|--------------|---|---|---|
|     | <sup>3</sup> | 4 | 6 | 1 |
|     | ×            |   | 6 | 1 |
|     |              |   |   |   |
|     |              | 4 | 6 | 1 |
| 2   | 7            | 6 | 6 | 0 |
| 2   | 8            | 1 | 2 | 1 |
|     | 1            | 1 |   |   |

**c**  $417 \times 66 =$

27,522

| TTh | Th           | H                 | T                 | O |
|-----|--------------|-------------------|-------------------|---|
|     | <sup>1</sup> | <del>4</del><br>4 | <del>1</del><br>1 | 7 |
|     | ×            |                   | 6                 | 6 |
|     |              |                   |                   |   |
|     | 2            | 5                 | 0                 | 2 |
| 2   | 5            | 0                 | 2                 | 0 |
| 2   | 7            | 5                 | 2                 | 2 |

**d**  $864 \times 51 =$

44,064

| TTh | Th           | H                 | T | O |
|-----|--------------|-------------------|---|---|
|     | <sup>3</sup> | <sup>2</sup><br>8 | 6 | 4 |
|     | ×            |                   | 5 | 1 |
|     |              |                   |   |   |
|     |              | 8                 | 6 | 4 |
| 4   | 3            | 2                 | 0 | 0 |
| 4   | 4            | 0                 | 6 | 4 |
|     | 1            |                   |   |   |



# Multiplying and dividing

Answer sheet

## Question 3

Can you complete these division calculations?

**a**  $2686 \div 3 =$  895 r1

| Th | H | T              | O              |                |
|----|---|----------------|----------------|----------------|
|    | 8 | 9              | 5              | r 1            |
|    |   |                |                |                |
| 3  | 2 | <sup>2</sup> 6 | <sup>2</sup> 8 | <sup>1</sup> 6 |

**b**  $939 \div 8 =$  117 r3

| Th | H | T | O              |                |
|----|---|---|----------------|----------------|
|    | 1 | 1 | 7              | r 3            |
|    |   |   |                |                |
| 8  |   | 9 | <sup>1</sup> 3 | <sup>5</sup> 9 |

**c**  $4322 \div 5 =$  864 r2

| Th | H | T              | O              |                |
|----|---|----------------|----------------|----------------|
|    | 8 | 6              | 4              | r 2            |
|    |   |                |                |                |
| 5  | 4 | <sup>4</sup> 3 | <sup>3</sup> 2 | <sup>2</sup> 2 |

**d**  $2662 \div 4 =$  665 r2

| Th | H | T              | O              |                |
|----|---|----------------|----------------|----------------|
|    | 6 | 6              | 5              | r 2            |
|    |   |                |                |                |
| 4  | 2 | <sup>2</sup> 6 | <sup>2</sup> 6 | <sup>2</sup> 2 |

## Question 4

Can you solve these word problems?

- a** There are 367 children going to the school assembly. There are 9 seats in each row. How many rows will be needed for everyone to have a seat?

|   | 4 | 0              | r 7 |
|---|---|----------------|-----|
| 9 | 3 | <sup>3</sup> 6 | 7   |

41 rows are needed. If only 40 were used, 7 children wouldn't have a seat!



# Multiplying and dividing

## Answer sheet

- b** A baker has 154 loaves of bread to sell. They pack the loaves in boxes that hold 8 loaves. How many boxes do they need?

$$\begin{array}{r} 19 \text{ r } 2 \\ 8 \overline{) 154} \\ \underline{8 \phantom{0}} \\ 74 \\ \underline{64} \\ 10 \end{array}$$

20 boxes are needed. If only 19 were used, 2 loaves wouldn't have a box!

- c** Multibags of crisps have 6 individual packs in them. Hari needs 472 packs of crisps for the tuck shop. How many multibags does he need?

$$\begin{array}{r} 78 \text{ r } 4 \\ 6 \overline{) 472} \\ \underline{42} \\ 52 \\ \underline{48} \\ 4 \end{array}$$

79 multibags are needed. If only 78 were bought, Hari would be 4 packets short!

- d** Miss Cowdery has 27 children in her class. Each child has got 36 'Well done!' stickers in their exercise books. How many stickers has Miss Cowdery given out?

$$\begin{array}{r} 2 \\ \cancel{4} \\ 27 \\ \times 36 \\ \hline 162 \\ 810 \\ \hline 972 \end{array}$$

Miss Cowdery has given out 972 stickers.

# Fractions

Answer sheet

## Question 1

Can you simplify these fractions?

a

$$\frac{22}{58} = \frac{11}{29}$$

÷ 2 (top)

÷ 2 (bottom)

b

$$\frac{3}{21} = \frac{1}{7}$$

÷ 3 (top)

÷ 3 (bottom)

c

$$\frac{24}{54} = \frac{12}{27} = \frac{4}{9}$$

÷ 2 (top), ÷ 3 (top)

÷ 2 (bottom), ÷ 3 (bottom)

d

$$\frac{63}{84} = \frac{21}{28} = \frac{3}{4}$$

÷ 3 (top), ÷ 7 (top)

÷ 3 (bottom), ÷ 7 (bottom)

e

$$\frac{10}{60} = \frac{2}{12} = \frac{1}{6}$$

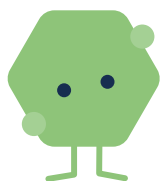
÷ 5 (top), ÷ 2 (top)

÷ 5 (bottom), ÷ 2 (bottom)



# Fractions

Answer sheet



I think you could simplify all these fractions in one step. Do you agree? How do I do that?

**f**

$$\frac{24}{54} = \frac{4}{9}$$

÷ 6

÷ 6

**g**

$$\frac{63}{84} = \frac{3}{4}$$

÷ 21

÷ 21

**h**

$$\frac{10}{60} = \frac{1}{6}$$

÷ 10

÷ 10

## Question 2

Can you write a fraction that would simplify to:

**a**  $\frac{3}{4}$  ? e.g.  $\frac{9}{12}$

**b**  $\frac{9}{10}$  ? e.g.  $\frac{81}{90}$

**c**  $\frac{5}{8}$  ? e.g.  $\frac{15}{24}$

**d**  $\frac{7}{3}$  ? e.g.  $\frac{28}{12}$



# Fractions

Answer sheet

## Question 3

Compare these fractions using  $<$ ,  $>$  or  $=$ .

**a**  $\frac{1}{7}$   $<$   $\frac{4}{7}$

**b**  $\frac{3}{5}$   $>$   $\frac{2}{5}$

**c**  $\frac{3}{4}$   $>$   $\frac{3}{5}$

**d**  $\frac{2}{5}$   $=$   $\frac{4}{10}$

**e**  $\frac{5}{6}$   $<$   $\frac{5}{5}$

**f**  $\frac{3}{6}$   $=$   $\frac{5}{10}$

**g**  $\frac{19}{25}$   $<$   $\frac{9}{10}$

**h**  $\frac{1}{3}$   $<$   $\frac{1}{2}$

**i**  $\frac{7}{4}$   $>$   $\frac{3}{2}$

## Question 4

Order these fractions from greatest to smallest.

$$\frac{1}{2}$$

$$\frac{2}{3}$$

$$\frac{3}{12}$$

$$\frac{3}{4}$$

$$\frac{5}{6}$$

$$\frac{19}{24}$$

$$\frac{1}{6}$$

$$\frac{5}{6} > \frac{19}{24} > \frac{3}{4} > \frac{2}{3} > \frac{1}{2} > \frac{3}{12} > \frac{1}{6}$$

## Question 5

Can you complete the fraction calculations?

**a**  $\frac{4}{5} - \frac{1}{2} = \frac{8}{10} - \frac{5}{10} = \frac{3}{10}$

**b**  $\frac{1}{3} + \frac{1}{2} = \frac{2}{6} + \frac{3}{6} = \frac{5}{6}$



# Fractions

Answer sheet

c  $\frac{2}{3} + \frac{1}{5} =$  e.g.  $\frac{10}{15} + \frac{3}{15} = \frac{13}{15}$

d  $\frac{5}{7} - \frac{1}{4} =$  e.g.  $\frac{20}{28} + \frac{7}{28} = \frac{13}{28}$

e  $\frac{2}{3} + \frac{\boxed{1}}{\boxed{4}} = \frac{11}{12}$

f  $\frac{\boxed{3}}{\boxed{4}} - \frac{5}{12} = \frac{1}{3}$

## Question 6

Each row, column and diagonal in this square adds up to the same amount. What is the total?

$$\frac{5}{6}$$

Can you find the missing fractions?

|               |                               |                                |
|---------------|-------------------------------|--------------------------------|
| $\frac{2}{9}$ | $\frac{\boxed{1}}{\boxed{6}}$ | $\frac{\boxed{4}}{\boxed{9}}$  |
| $\frac{1}{2}$ | $\frac{5}{18}$                | $\frac{\boxed{1}}{\boxed{18}}$ |
| $\frac{1}{9}$ | $\frac{7}{18}$                | $\frac{\boxed{1}}{\boxed{3}}$  |

