



## Adding Fractions

### Section A

Use the diagrams provided to show the following sums:

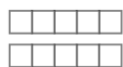
1.  $\frac{2}{5} + \frac{1}{5} =$



2.  $\frac{3}{7} + \frac{2}{7} =$



3.  $\frac{2}{5} + \frac{4}{5} =$



4.  $\frac{3}{7} + \frac{6}{7} =$



What was different about questions 3 and 4. Why were the extra bars needed?

### Section B

Use the diagrams provided to show the following sums.

1.  $\frac{2}{5} + \frac{3}{10} =$



2.  $\frac{15}{28} + \frac{2}{7} =$



Which diagrams did you use? Why was there a choice on these questions?

### Section C

What diagram would help you do the following sums?

1.  $\frac{2}{5} + \frac{8}{15} =$

2.  $\frac{5}{14} + \frac{2}{7} =$

How did you decide how many 'parts' to draw your in your diagrams? Would that work for this question?

3.  $\frac{3}{4} + \frac{1}{6} =$

What is the most efficient method to use?

## Section D

Answer the following questions. Use a diagram if you wish, but you must show all your working.

1.  $\frac{3}{8} + \frac{2}{8} =$

2.  $\frac{3}{8} + \frac{3}{8} =$

3.  $\frac{3}{8} + \frac{4}{8} =$

Did you spot any connections for questions 1-3?

4.  $\frac{3}{8} + \frac{2}{8} =$

5.  $\frac{3}{8} + \frac{1}{4} =$

6.  $\frac{3}{8} + \frac{3}{12} =$

Did you spot any connections for questions 4-6?

7.  $\frac{7}{12} + \frac{1}{12} =$

8.  $\frac{1}{2} + \frac{1}{6} =$

9.  $\frac{5}{12} + \frac{1}{4} =$

Did you spot any connections for questions 7-9?

## Section E

Answer the following questions. Use a diagram if you wish, but you must show all your working.

1.  $\frac{2}{3} + \frac{3}{5} =$

2.  $\frac{4}{5} + \frac{1}{2} =$

3.  $\frac{1}{2} + \frac{5}{7} =$

4.  $\frac{5}{6} + \frac{2}{9} =$

5.  $\frac{7}{8} + \frac{1}{6} =$

6.  $4\frac{2}{3} + \frac{1}{3} =$

7.  $1\frac{3}{8} + 3\frac{1}{4} =$

8.  $3\frac{3}{8} + 1\frac{1}{4} =$

9.  $5\frac{2}{7} + 3\frac{3}{11} =$

How did you answer questions 6-9?