## Fractions, Decimals and Percentages Practice Booklet Answers

1. Put these fractions in order of size, starting with the smallest.
$\frac{1}{6}$
$\frac{7}{12}$
$\frac{2}{3}$
$\frac{3}{4}$
2. The numbers in this sequence increase by the same amount each time.
Write the missing numbers.
$\frac{4}{7}$
1
$1 \frac{3}{7}$
$1 \frac{12}{14}$
$2 \frac{2}{7}$
3. In each box, circle the number that is greater.

| $1 \frac{3}{5}$ | 1.55 |
| :---: | :---: |
| $1 \frac{9}{100}$ | 1.9 |


| $1 \frac{2}{3}$ | 1.8 |
| :--- | :--- |
| $1 \frac{7}{10}$ | 1.67 |

4. Write the missing fraction in this calculation.

$$
\frac{1}{5}+\frac{1}{3}+\frac{7}{15}=1
$$

5. Write the missing numbers in these equivalent fractions.

$$
\frac{4}{5}=\frac{12}{15}=\frac{72}{90}
$$

6. Circle the improper fraction that is equivalent to $4 \frac{7}{9}$
$\frac{40}{9}$
$\begin{array}{ll}\frac{41}{9} & \frac{42}{9}\end{array}$
(43 $\quad \frac{44}{9}$
7. Tick the calculation that is the best estimate.

8. I spent $£ 1.40$ on a drink and $£ 1.70$ on a sandwich. I have three fifths of my money left. How much money did I have to start with?
$£ 1.40+£ 1.70=£ 3.10$
$£ 3.10=\frac{2}{5}$ of money
$\frac{1}{5}$ of money $=£ 1.55$
$\frac{5}{5}$ of money $=£ 7.75$
9. Yesterday, I read $\frac{3}{7}$ of my book. Today, I read the remaining 152 pages to finish the book. How many pages are there in my book?
152 pages $=\frac{4}{7}$ of the pages.
$\frac{1}{7}$ of the pages $=152 \div 4=38$ pages
$\frac{7}{7}$ of the pages $=38 \times 7=266$ pages
10. One fruit smoothie contains $\frac{2}{3}$ of a carton of orange juice. I make 7 smoothies. Calculate, as a mixed number, how much orange juice I use altogether.
$\frac{2}{3} \times 7=\frac{14}{3} \quad 4 \frac{2}{3}$ cartons
11. In this circle, $\frac{1}{4}$ and $\frac{3}{16}$ are shaded. What fraction of the whole circle is not shaded?
$\frac{1}{4}+\frac{3}{16}=\frac{7}{16}$
$\frac{16}{16}-\frac{7}{16}=\frac{9}{16}$
12. What fraction of this diagram is shaded?

$\frac{1}{8}+\frac{2}{3}=\frac{19}{24}$
$\frac{24}{24}-\frac{19}{24}=\frac{5}{24}$
13. I make a model out of 25 cubes. What percentage of the cubes in the model are blue?

$\frac{8}{25}=\frac{32}{100}$
$\frac{32}{100}=0.32$
$0.32 \times 100=32 \%$
14. I have $£ 380$. I spend $18 \%$ of my money on a new bike.
How much money do I spend on my new bike?
$\mathbf{1 \%}$ of $£ 380=£ 3.80$
$\mathbf{8 \%}$ of $£ 380=£ 30.40$
$10 \%$ of $£ 380=£ 38$
$£ 38+£ 30.40=£ 68.40$
