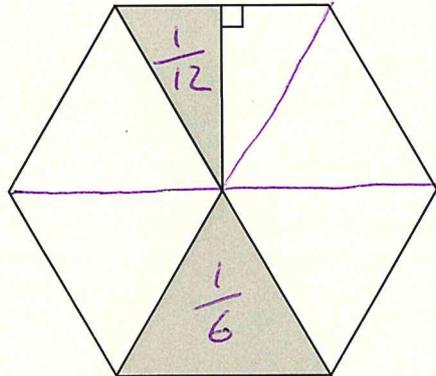


22

Here is a regular hexagon.

The area of the large shaded triangle is double the area of the small shaded triangle.



What **fraction** of the whole hexagon is the shaded area?

$$\frac{1}{6} + \frac{1}{12}$$

↓

$$\frac{2}{12} + \frac{1}{12} = \frac{3}{12}$$

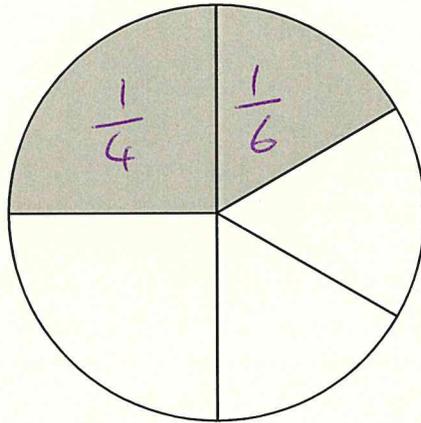
3
12

1 mark



23

In this circle, $\frac{1}{4}$ and $\frac{1}{6}$ are shaded.



What fraction of the whole circle is **not** shaded?

Show
your
method

$$\frac{1}{4} + \frac{1}{6}$$

$$\begin{array}{r} \times 3 \downarrow \\ \frac{3}{12} \end{array} + \begin{array}{r} \downarrow \times 2 \\ \frac{2}{12} \end{array} = \frac{5}{12}$$

$$\frac{7}{12}$$

2 marks



F 0 0 0 7 0 A 0 2 3 2 4

21

The numbers in this sequence increase by the same amount each time.

Write the missing numbers.

$\frac{3}{8}$ 1 $1\frac{5}{8}$ $2\frac{1}{4}$ $2\frac{7}{8}$

$-\frac{5}{8}$

$+\frac{5}{8}$

$2\frac{3}{8}$

1 mark

1 mark



18

A cinema sells tickets at three different prices.

- $\frac{1}{20}$ of the tickets are price A.
- $\frac{3}{5}$ of the tickets are price B.
- The rest of the tickets are price C.

What fraction of the tickets are price C?

Show
your
method

$$\frac{1}{20} + \frac{3}{5}$$

$$\downarrow \times 4$$

$$\frac{1}{20} + \frac{12}{20} = \frac{13}{20}$$

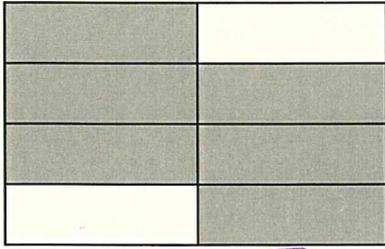
$$\frac{7}{20}$$

2 marks



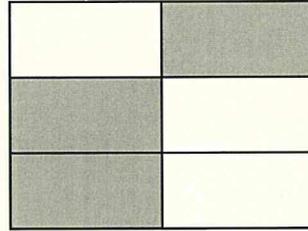
9

Tick two shapes that have $\frac{3}{4}$ shaded.

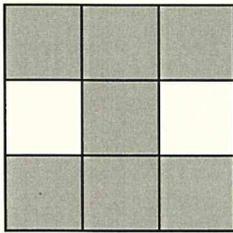


$$\frac{6}{8} = \frac{3}{4}$$

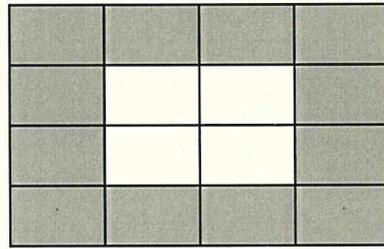
$\div 2$



$$\frac{3}{6} = \frac{1}{2}$$



$$\frac{7}{9}$$



$$\frac{12}{16} = \frac{3}{4}$$

$\div 4$

1 mark



17

In each box, circle the number that is **greater**.

$1\frac{1}{2}$

1.2

1.5

$1\frac{1}{4}$

1.3

1.25

$1\frac{5}{100}$

1.4

1.005

$1\frac{3}{5}$

1.5

1.6

2 marks



F 0 0 0 8 0 A 0 1 7 2 4