## Level 1 Fraction Questions

## Please circle the correct answers.

1. Mike wants to lose 10 kilograms. After two months he has lost $\frac{2}{5}$ of this amount.

How much weight has he lost?
A $\quad 0.4 \mathrm{~kg}$
C $\quad 2.5 \mathrm{~kg}$
B $\quad 2 \mathrm{~kg}$
D 4 kg
2. Ten out of 50 hospital patients had head injuries.

What fraction of the patients is this?


C $\quad \frac{1}{5}$
B $\frac{1}{4}$
D $\frac{1}{10}$
3. Janine is paid for each complete quarter hour she works.

She works 7 hours 40 minutes on one day. How long will she be paid for?
A $7 \frac{1}{2}$ hours
B 7 hours

C $\quad 7 \frac{3}{4}$ hours
D 8 hours
4. Winston has been keeping a record of his withdrawals from a cash machine. Over the past 10 weeks he has made the following withdrawals: $£ 50 £ 40 £ 50 £ 120 £ 70 £ 80 £ 40 £ 90 £ 20 £ 40$

What fraction of his withdrawals are less than $\mathbf{£ 7 0}$ ?
A $\frac{1}{2}$
C $\frac{3}{5}$
B $\frac{6}{9}$
D $\frac{7}{10}$
5. At a dance 1000 raffle tickets are sold. There are ten prizes to be won.

What fraction of tickets will win a prize?
A $\frac{1}{1000}$
C $\quad \frac{1}{990}$
B $\frac{1}{100}$
D $\frac{1}{10}$

6. An oil tank is 75\% full.

## What fraction of the tank is empty?

A $\frac{3}{4}$
C $\quad \frac{1}{4}$
B $\frac{1}{75}$
D $\frac{1}{25}$
7. The table shows the number of people who attend different showings of a film. One hundred of those who attend the 2:30pm showing are Senior Citizens.


## What fraction is this of the total attending that session?

| $2: 30 \mathrm{pm}$ | $4: 30 \mathrm{pm}$ | $7: 00 \mathrm{pm}$ | $9: 30 \mathrm{pm}$ |
| :---: | :---: | :---: | :---: |
| 150 | 175 | 225 | 250 |

A $\frac{1}{3}$
C $\frac{2}{3}$
B $\frac{2}{5}$
D $\frac{4}{5}$

## Level 2 Fraction Questions

1. A Fire Service report shows the numbers of different types of fires attended during the year.


| chimney fires | 420 |
| :--- | :--- |
| vehicle fires | 770 |
| derelict buildings | 44 |
| occupied buildings | 960 |
| others | 330 |

## What fraction of all the fires were vehicle fires?

A About $\frac{1}{5}$
C About $\frac{1}{3}$
B $\quad$ About $\frac{1}{4}$
D $\quad$ About $\frac{1}{2}$
2. A gardener keeps a record of the minimum temperature in ${ }^{\circ} \mathrm{C}$ each day. The thermostat on the greenhouse heater switches the heater on when the temperature falls below $0^{\circ} \mathrm{C}$.

| Results for February. |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Mon | Tues | Wed | Thurs | Fri | Sat | Sun |
| 1st week | 2 | 4 | 5 | 5 | 1 | -1 | -3 |
| 2nd week | -4 | -1 | 0 | 3 | 6 | 5 | 6 |
| 3rd week | 3 | 2 | -1 | 0 | 3 | -2 | 0 |
| 4th week | 0 | 4 | 7 | 8 | 3 | -1 | -2 |

For what fraction of the number of days in February was the heater used?
A $\frac{1}{8}$
C $\frac{1}{7}$
B $\frac{8}{31}$
D $\frac{2}{7}$
3. A student carried out a survey in a town centre car park. During the survey 251 cars entered the car park. Between 8am and $2 \mathrm{pm}, 148$ cars entered the car park. Estimate the fraction of cars in the survey which entered the car park between 8 am and 2 pm .

A $\frac{3}{8}$
C $\frac{3}{5}$
B $\frac{2}{5}$
D $\frac{5}{8}$
4. Anne goes to a slimming club. She weighs 12 stones. Anne's target weight is 10 stones.
What fraction of her current weight does she aim to lose?
A $\frac{1}{12}$
C $\frac{1}{6}$
B $\frac{1}{8}$
D $\frac{1}{4}$

Questions 5 and 6 are about the sales at an ice-cream stall.


| FLAVOUR OF ICE-CREAM | NUMBER SOLD |
| :---: | :---: |
| Strawberry | 4 |
| Mint Choc Chip | 5 |
| Raspberry | 7 |
| Chocolate | 14 |
| Banana | 3 |
| Toffee | 6 |
| Vanilla | 8 |
| Tutti Frutti | 3 |

5. Which ice-cream flavour sold only two-thirds as many as toffee?
A Banana
C Mint Choc Chip
B Strawberry
D Tutti Frutti
6. Liz used 1 litre of vanilla ice-cream.

How much chocolate ice-cream did she use if all the ice-creams were the same size?

A $\quad \frac{4}{22}$ litre
C $\quad 1 \frac{3}{4}$ litres
B $\quad \frac{4}{7}$ litre
D $\quad 2 \frac{1}{2}$ litres
7. Jack works the following hours during a week.

| Mon | Tues | Fri | Sat |
| :---: | :---: | :---: | :---: |
| 7 hrs | $61 / 2 \mathrm{hrs}$ | $73 / 4 \mathrm{hrs}$ | 4 hrs |

How many hours did Jack work that week?
A $\quad 25 \frac{1}{4} \mathrm{hrs}$
C $\quad 25 \mathrm{hrs}$
B $\quad 24 \frac{1}{4} \mathrm{hrs}$
D $\quad 25 \frac{3}{4} \mathrm{hrs}$

## Answer sheet

## Level 1 Fraction questions

```
1 - D (4kg)
2-C (1/5)
3-A (71/2 hrs)
4-C (3/5)
5-B (1/100)
6-C (1/4)
7-C (2/3)
```


## Level 2 Fraction questions

$1-\mathrm{C}($ about $1 / 3)$
$2-\mathrm{D}(2 / 7)$
$3-\mathrm{C}(3 / 5)$
$4-\mathrm{C}(1 / 6)$
$5-\mathrm{B}$ (strawberry)
$6-\mathrm{C}(13 / 4$ litres $)$
$7-\mathrm{A}\left(25^{1 / 4} \mathrm{hrs}\right)$

Suggest students allow about $1 / 2 \mathrm{hr}$.

