

**AQA - Fractions, decimals and percentages – GCSE 2022 Mathematics**1. *June/2022/Paper\_8300/2F/No.5*

(a) Write  $1\frac{4}{9}$  as an improper fraction.

**[1 mark]**

---

---

Answer \_\_\_\_\_

(b) Convert  $\frac{7}{16}$  to a decimal.

**[1 mark]**

---

---

Answer \_\_\_\_\_

(c) Round 2.84 to 1 decimal place.

**[1 mark]**

Answer \_\_\_\_\_

## 2. June/2022/Paper\_8300/2F/No.26

Harry and Ellie each bought a printer and a hard drive.

Here is some information about how much they paid.

	Printer	Hard drive
Harry	£80	£25
Ellie	10% less than Harry	20% more than Harry

Ellie says,

“In total, I paid more than Harry because 20% is greater than 10%”

Is she correct?

Tick a box.

Yes

No

Show calculations to support your answer.

[2 marks]

---

---

---

---

---

---

---

---

---

---

## 3. June/2022/Paper\_8300/2H/No.1

Circle the fraction that is equal to 1.25%

[1 mark]

$$\frac{1}{8}$$

$$\frac{1}{25}$$

$$\frac{1}{80}$$

$$\frac{1}{125}$$

## 4. June/2022/Paper\_8300/2H/No.10

Harry and Ellie each bought a printer and a hard drive.

Here is some information about how much they paid.

	Printer	Hard drive
Harry	£80	£25
Ellie	10% less than Harry	20% more than Harry

Ellie says,

“In total, I paid more than Harry because 20% is greater than 10%”

Is she correct?

Tick a box.

Yes

No

Show calculations to support your answer.

[2 marks]

---

---

---

---

---

---

---

---

---

---

## 5. June/2022/Paper\_8300/2H/No.14(b)

(b) In fact,

50% of the **sample** were sitting in the family area

10% of the **crowd** were sitting in the family area.

What is this likely to mean about the actual number of people in the crowd who think that a family area is very important?

Tick **one** box.

[1 mark]

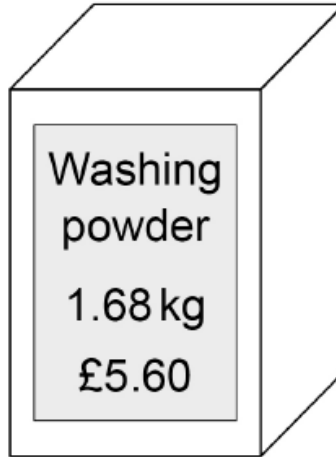
It is larger than the answer to part (a)

It is the same as the answer to part (a)

It is lower than the answer to part (a)

6. June/2022/Paper\_8300/2H/No.20

A company makes and sells boxes of washing powder.



The company wants to increase the amount of money it receives **per kg** of powder.

To get the required increase it can

increase the price to £5.88

or

reduce the mass of powder in the box by  $x\%$

Work out the value of  $x$  to 2 decimal places.

**[4 marks]**

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---