

**Non-calculator Questions**

NCFE

1.

Boarding kennels look after cats and dogs.

Linda is setting up a boarding kennel business.

She researches other kennels and finds that:

- $\frac{3}{8}$  of kennels take dogs only
- $\frac{2}{5}$  of kennels take cats only.

Linda thinks that more kennels take dogs only than take cats only.

Is she correct?

Show how you decide.

**[2 marks]**

Blank area for showing the solution.

Your answer:

Blank box for the final answer.

City & Guilds

2.

$5\frac{2}{5}$  is the same as

$$\frac{\square}{5}$$

(1 mark)

3.

$16\frac{2}{3}$  is the same as

(tick one box)

A  $\frac{18}{3}$

B  $\frac{50}{3}$

C  $\frac{32}{3}$

D  $\frac{48}{3}$

(1 mark)

4.

Which of these lists of fractions and mixed numbers is in order from smallest to largest?

**A**  $2\frac{1}{4}$   $1\frac{3}{4}$   $\frac{3}{4}$   $1\frac{1}{4}$

**B**  $1\frac{1}{4}$   $\frac{3}{4}$   $1\frac{3}{4}$   $2\frac{1}{4}$

**C**  $\frac{3}{4}$   $1\frac{1}{4}$   $1\frac{3}{4}$   $2\frac{1}{4}$

**D**  $\frac{3}{4}$   $1\frac{3}{4}$   $1\frac{1}{4}$   $2\frac{1}{4}$

(1 mark)

Highfield

5.

Write these fractions in order from smallest to largest.

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

Write the answer in the box below.

(1 mark)

Answer: \_\_\_\_\_

6.

Write these fractions in order from smallest to largest.

$$\frac{3}{4} \quad \frac{3}{8} \quad \frac{1}{8} \quad \frac{1}{4}$$

Write the answer in the box below.

(1 mark)

Answer: \_\_\_\_\_

### Calculator Questions

Edexcel

1.

Write  $\frac{3}{60}$  as a fraction in its simplest form.

(1)


2.

Shaz will share the money she raises between three charities.

She gives a local hospice  $\frac{2}{5}$  of the money.

She gives Save the Children  $\frac{1}{4}$  of the money.

She gives Age Concern  $\frac{7}{20}$  of the money.

Which charity will get the most money?

Show how you decide.

**[2 marks]**

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Your answer:

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NCFE

3.

Reg already has two round cake tins.

He thinks he could use one of those and put a picture of a dinosaur on the top.

- Tin A will need  $\frac{3}{5}$  of the cake mix recipe.
- Tin B will need  $\frac{2}{3}$  of the cake mix recipe.

Which tin will need the smaller amount of cake mix?  
Show your working.

[2 marks]

Your answer:

City & Guilds

4.

Which one of these fractions is the **biggest** number?

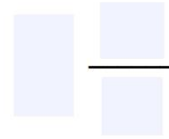
*(tick one box)*

- A  $\frac{4}{10}$
- B  $\frac{3}{4}$
- C  $\frac{2}{5}$
- D  $\frac{1}{3}$

(1 mark)

5.

Write  $\frac{33}{8}$  as a mixed number.



(1 mark)

Highfield

6.

Put these fractions in order of size.

Start with the smallest.

$$\frac{3}{8}$$

$$\frac{1}{2}$$

$$\frac{1}{4}$$

$$\frac{5}{16}$$

Write your answer in the box below.

(1 mark)

Answer: \_\_\_\_\_

7.

Put these fractions in order from largest to smallest.

$$\frac{18}{24}$$

$$\frac{12}{8}$$

$$1\frac{3}{4}$$

$$1\frac{1}{4}$$

Write your answer in the box below.

(1 mark)

Answer: \_\_\_\_\_

AQA

8.

Write these fractions in order, starting with the smallest.

$$\frac{7}{10}$$

$$\frac{3}{4}$$

$$\frac{2}{3}$$

[2 marks]

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smallest \_\_\_\_\_

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largest \_\_\_\_\_