Writing, Simplifying And Ordering Fractions Past Paper Questions

Q1.

Here is a list of fractions.

$$\frac{3}{9} \quad \frac{5}{15} \quad \frac{7}{21} \quad \frac{9}{30} \quad \frac{15}{45}$$

One of these fractions is **not** equivalent to $\frac{1}{3}$

Which fraction?

.....

(Total for question = 1 mark)

Q2.

Here are two fractions.

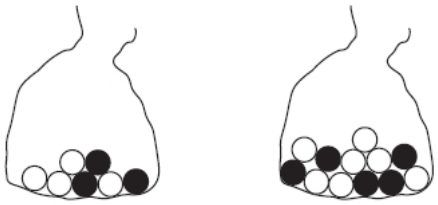
$$\frac{7}{5} \qquad \frac{5}{7}$$

Work out which of the fractions is closer to 1
You must show all your working.

(Total for question = 3 marks)

Q3.

* There are only black balls and white balls in bag **A** and in bag **B**, as shown in the diagram.



A B

Heidi is going to take at random a ball from bag **A** and a ball from bag **B**.

Which bag gives Heidi the greater probability of taking a black ball, bag **A** or bag **B**?
You must show how you get your answer.

(Total for question = 3 marks)

Q4.

Here are four fractions.

$$\frac{3}{4} \qquad \frac{5}{7} \qquad \frac{19}{25} \qquad \frac{11}{15}$$

Write the fractions in order of size.
Start with the smallest fraction.

.....

(Total for question = 2 marks)

Q5.

Write the following fractions in order of size.
Start with the smallest fraction.

$\frac{1}{3}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{7}{12}$ $\frac{1}{2}$

.....

(Total for question = 2 marks)

Q6.

(a) Work out $\frac{5}{8}$ of 132

.....

(2)

(b) Write the following fractions in order of size.

Start with the smallest fraction.

$\frac{3}{8}$ $\frac{9}{32}$ $\frac{1}{4}$ $\frac{21}{64}$

.....

(2)

(Total for question = 4 marks)

Q7.

Here are four fractions.

$$\frac{1}{2} \qquad \frac{17}{24} \qquad \frac{3}{4} \qquad \frac{5}{12}$$

Write these fractions in order of size.
Start with the smallest fraction.

.....

(Total for question is 2 marks)

Q8.

Here is a list of four fractions.

$$\frac{4}{16} \qquad \frac{2}{8} \qquad \frac{15}{60} \qquad \frac{3}{9}$$

One of these fractions is **not** equivalent to $\frac{1}{4}$

Write down this fraction.

.....

(Total for question = 1 mark)