Name: _____

ASM Tuition Academy

FRACTIONS

Instructions:

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
  - there may be more space than you need.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all you're working out.**

Information:

- The marks for each question are shown in brackets
  - use this as a guide as to how much time to spend on each question.

Advice:

- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

Q1. Work out

$$\frac{4}{20} + \frac{5}{3}$$

(Total for question 1 is 2 marks)

Q2. Work out

(a) $\frac{5}{3} - \frac{2}{4}$

(b) $\frac{16}{5} \times \frac{5}{2}$

Give your answer as a fraction in its simplest form.

(Total for question 2 is 4 marks)

Q3. Work out

$\frac{16}{5} \times \frac{6}{3}$

(Total for question 3 is 2 marks)

Q4. Work out

(a) $\frac{5}{8} + \frac{1}{2}$

(b) $\frac{10}{9} - \frac{4}{9}$

Give your answer as a fraction in its simplest form.

(Total for question 4 is 4 marks)

Q5.

Work out

$\frac{10}{5} \times \frac{5}{4}$

(Total for question 5 is 2 marks)

Q6. Work out

(a) $\frac{1}{8} + \frac{2}{8}$

(b) $\frac{10}{9} \div \frac{4}{3}$

(c) Give your answer as a fraction in its simplest form.

(Total for question 6 is 4 marks)

Q7. Work out

$\frac{1}{9} \div \frac{18}{2}$

(Total for question 7 is 2 marks)

Q8. Work out

(a) $\frac{7}{4} - \frac{3}{2}$

(b) $1\frac{10}{9} \div 4\frac{4}{3}$

Give your answer as a mixed number in its simplest form.

(Total for question 8 is 4 marks)

Q9. Work out

$\frac{1}{9} + \frac{18}{2}$

(Total for question 9 is 2 marks)

Q10. Work out

(a) $\frac{8}{5} - \frac{3}{4}$

(b) $3\frac{1}{2} \times \frac{4}{3}$

Give your answer as a mixed number in its simplest form.

(Total for question 10 is 4 marks)

Q11. Work out

$\frac{18}{3} - \frac{9}{2}$

(Total for question 11 is 2 marks)

Q12.

(a) Work out

$\frac{14}{3} \div \frac{8}{2}$

Give your answer as a mixed number in its simplest form.

(b) Work out $8\frac{1}{2} \times \frac{4}{3}$

(Total for question 12 is 4 marks)

Q13. Work out $8\frac{1}{2} \div \frac{4}{3}$

(Total for question 13 is 2 marks)

Q14.

(a) Work out $8\frac{1}{2} + 2\frac{4}{3}$

(b) Work out $2\frac{1}{3} \div 1\frac{3}{2}$

(Total for question 14 is 4 marks)
