

Name _____

Date _____

Stage 7 End-of-unit test 7

22 questions · 43 marks · calculators are not allowed · allow about 45 minutes

- 1 Write 3_4 in its simplest form. [2]

- 2 Write 7_4 as a mixed number. [2]

- 3 Write $2\frac{3}{4}$ as an improper fraction. [2]

- 4 Which is larger, $\frac{2}{3}$ or $\frac{3}{5}$? [2]
☐ $\frac{2}{3}$
☐ $\frac{3}{5}$
- 5 Work out $\frac{1}{2} + \frac{1}{3}$ [2]

- 6 Work out $\frac{3}{4} - \frac{1}{6}$ [2]

- 7 Work out $\frac{2}{3} \times \frac{3}{4}$ [2]

- 8 Work out $\frac{3}{4} \div \frac{1}{2}$ [2]

- 9 Work out $\frac{2}{3} \div 4$ [2]

- 10 Work out $\frac{3}{4}$ of 48. [2]

- 11 Sofia writes $\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$. What has she done wrong? [2]
☐ Nothing
☐ She added the denominators as well as the numerators
☐ She used the wrong LCM
☐ She forgot to simplify
- 12 Dividing by a fraction is the same as ... [1]
☐ multiplying by it
☐ multiplying by its reciprocal
☐ subtracting it
☐ adding it

13 What is the reciprocal of $\frac{3}{5}$? [1]

- ☐ $\frac{3}{5}$
- ☐ $\frac{5}{3}$
- ☐ $\frac{1}{5}$
- ☐ $-\frac{3}{5}$

14 Multiplying by a fraction less than 1 makes a number ... [1]

- ☐ bigger
- ☐ smaller
- ☐ unchanged
- ☐ negative

15 Dividing by a fraction less than 1 makes a number ... [1]

- ☐ bigger
- ☐ smaller
- ☐ unchanged
- ☐ negative

16 How many quarter-litre cups can be filled from 3 litres? [2]

17 Two thirds of a number is 18. What is the number? [2]

18 Work out $\frac{1}{4} + \frac{1}{2} + \frac{3}{4}$ [3]

19 A jug holds $\frac{3}{4}$ litre and $\frac{1}{3}$ litre is poured out. How much is left, in litres? [3]

20 A class of 36 has $\frac{5}{6}$ present. How many are present? [2]

21 Work out $\frac{4}{9} \times \frac{3}{8}$, cancelling first. [3]

22 How many $\frac{2}{5}$ m pieces can be cut from 4 m? [2]

END OF TEST