

Jika iMfundo
POST-WORKSHOP ACTIVITY
Grades 8 and 9 Just-in-Time Training Workshop
2019: No.1

TOTAL: 25 marks

TIME: 30 minutes

NAME: _____

SCHOOL: _____

GRADES 1 AM TEACHING MATHS TO THIS YEAR: _____

Answer in the spaces provided

QUESTION 1: DEVELOPING FRACTION CONCEPTS

(5 marks)

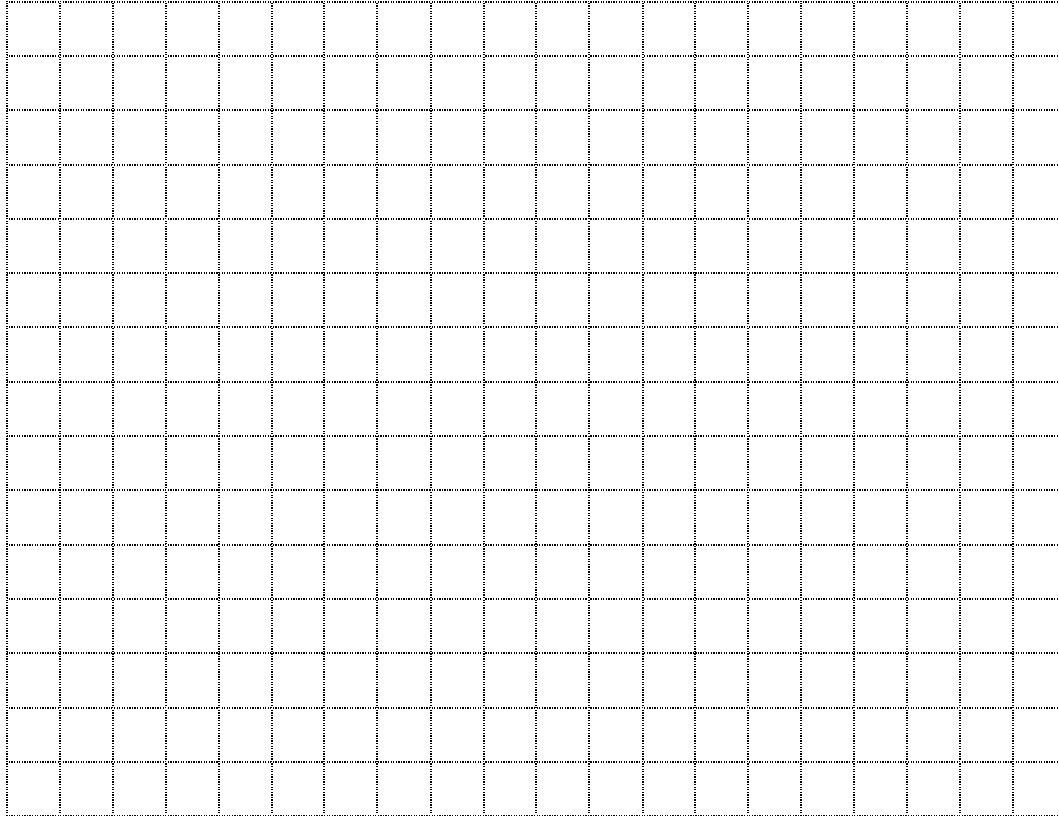
1.1 In which grade do learners start (4)

- a) Multiplying common fractions and mixed numbers?
- b) Dividing fractions?
- c) Multiplying common fractions and mixed numbers?
- d) Dividing fractions

1.3 In which grade do learners start working with percentages? (1)

QUESTION 2: USING CONCRETE APPARATUS TO TEACH FRACTIONS (11 marks)

- 2.1 On the squared paper below, draw a diagram showing how to find the answer to $\frac{5}{6} \times \frac{2}{5}$.
Write your answer in simplest form. (4)



- 2.2 Use the calculation $1\frac{1}{3} \div 1\frac{5}{27}$ to explain why the division algorithm (i.e. change \div to \times and invert the second number) works. (7)

QUESTION 3: FRACTION EXTENSION ACTIVITIES

(9 marks)

The difference between two fractions with unlike denominators is $\frac{1}{20}$.

The denominator of the greater fraction is an odd number less than 7. Its numerator is 4.

The denominator of the smaller fraction is an even number that is one less than the denominator of the greater fraction.

Check that your answer is correct.

(9)