QUESTION BANK: GRADE: 7

SUBJECT: MATHEMATICS

CHAPTER 2: MULTIPLICATION AND DIVISION OF FRACTIONS

A. Choose the correct answer

1. Which of the following is an improper fraction?

   i. $\dfrac{1}{10}$ ii. $\dfrac{30}{12}$ iii. $\dfrac{3}{4}$ iv. $\dfrac{7}{15}$

2. What is $\dfrac{3}{2} \times \dfrac{4}{7} = ?$

   i. $\dfrac{7}{14}$ ii. $\dfrac{6}{14}$ iii. $\dfrac{12}{7}$ iv. $\dfrac{6}{7}$

3. What is the reciprocal of $\dfrac{1}{7}$?

   i. $\dfrac{-1}{7}$ ii. $\dfrac{1}{7}$ iii. 7   iv. -7

B. Following 3 questions carry 2 marks each.

1. Find the following: (i) $\dfrac{2}{5} \div \dfrac{1}{2}$ (ii) $2\dfrac{1}{3} \div \dfrac{3}{5}$

2. Multiply: (a) $3 \times 5\dfrac{1}{5}$ (b) $5 \times 6\dfrac{3}{4}$

3. Find: $\dfrac{1}{2}$ of $2\dfrac{3}{4}$

C. Following 2 questions carry 3 marks each.

1. Vikas had 16 marbles. If Simon had $1\dfrac{1}{2}$ times as many, how many did he have?

2. Simplify: $\left(\dfrac{3}{4} \times \dfrac{16}{9} \right) \div \dfrac{8}{6}$

ANSWER KEY

A. 1. (ii) 2. (iv) 3. (iii)

B. 1. (i) $\dfrac{4}{5}$ (ii) $3\dfrac{8}{9}$

   2. (a) $15\dfrac{3}{5}$ (b) $33\dfrac{3}{4}$

   3. $1\dfrac{3}{8}$

C. 1. 24

   2. 1

MULTIPLY THE FRACTIONS CORRECTLY TO SOLVE THE MAZE!