



This week we will be doing a bit of MENTAL MATHS with the Grade 7 learners. Scroll through the images for the questions and images linked to the questions.

## QUESTIONS

- The rectangular playground in Dumisa's school is three times as long as it is wide. The area of the playground is 75 square meters. What is the perimeter of the playground?
- Calculate the circumference of a circular field whose radius is 5 centimetres
- Tebogo spent  $\frac{3}{4}$  of his savings on furniture and the rest on a TV. If the TV cost him R200, what were his original savings?
- If the length of the side of a square is doubled, what is the ratio of the areas of the original square to the area of the new square?
- R is one of the numbers below. R is such that when multiplied by 0.5 gives 0.75. Which number is equal to R?
  - $1 \frac{1}{2}$
  - $1 \frac{1}{3}$
  - $\frac{5}{3}$
  - $\frac{3}{2}$
- Order from least to greatest:  $3 \frac{4}{7}$  ,  $3 \frac{3}{5}$  ,  $3 \frac{1}{2}$  ,  $3 \frac{11}{20}$ .
  - $3 \frac{1}{2}$  ,  $3 \frac{11}{20}$  ,  $3 \frac{4}{7}$  ,  $3 \frac{3}{5}$
  - $3 \frac{1}{2}$  ,  $3 \frac{3}{5}$  ,  $3 \frac{11}{20}$  ,  $3 \frac{4}{7}$
  - $3 \frac{1}{2}$  ,  $3 \frac{3}{5}$  ,  $3 \frac{4}{7}$  ,  $3 \frac{11}{20}$
  - $3 \frac{3}{5}$  ,  $3 \frac{1}{2}$  ,  $3 \frac{11}{20}$  ,  $3 \frac{4}{7}$
- There are 25 shops, and 500 shoppers of which 300 are men. Find the ratios
  - total of shoppers to shops
  - men to shops
- $\frac{2}{5} \div 6$
- Write as a fraction  $\frac{6}{50} + \frac{2}{25} + 8$
- $\frac{1}{4} (5 + 7 \times 3)$

## MEMORANDUM

Question	Answer
1. The rectangular playground in Dumisa's school is three times as long as it is wide. The area of the playground is 75 square meters. What is the perimeter of the playground?	40 square meters

2. Calculate the circumference of a circular field whose radius is 5 centimeters	$10\pi$ centimeters
3. Tebogo spent $\frac{3}{4}$ of his savings on furniture and the rest on a TV. If the TV cost him R200, what were his original savings?	R800
4. If the length of the side of a square is doubled, what is the ratio of the areas of the original square to the area of the new square?	1:4
5. R is one of the numbers below. R is such that when multiplied by 0.5 gives 0.75. Which number is equal to R? A) $1\frac{1}{2}$ B) $1\frac{1}{3}$ C) $\frac{5}{3}$ D) $\frac{3}{2}$	D
6. Order from least to greatest: $3\frac{4}{7}$ , $3\frac{3}{5}$ , $3\frac{1}{2}$ , $3\frac{11}{20}$ .  A. $3\frac{1}{2}$ , $3\frac{11}{20}$ , $3\frac{4}{7}$ , $3\frac{3}{5}$  B. $3\frac{1}{2}$ , $3\frac{3}{5}$ , $3\frac{11}{20}$ , $3\frac{4}{7}$  C. $3\frac{1}{2}$ , $3\frac{3}{5}$ , $3\frac{4}{7}$ , $3\frac{11}{20}$  D. $3\frac{3}{5}$ , $3\frac{1}{2}$ , $3\frac{11}{20}$ , $3\frac{4}{7}$	A
7. $\frac{2}{5} \div 6$	$\frac{1}{15}$
8. There are 25 shops, and 500 shoppers of which 300 are men. Find the ratios a) total of shoppers to shops b) men to shops	A) 20:1 b) 8:1
9. Write as a fraction $\frac{6}{50} + \frac{2}{25} + 8$	$\frac{41}{5}$
10. $\frac{1}{4}(5 + 7 \times 3)$	6,5