

MOI EDUCATIONAL CENTRE CLASS 6 MATHEMATICS ADDITIONAL HOME WORK

How ^{many} much students will each college receive?

WEEK 4 (6TH – 10TH APRIL 2020)

DAY:1

1. Work out:
 - a) 31^2
 - b) 45^2
 - c) $\sqrt{144}$
 - d) $\sqrt{676}$
2. Find the square root of 484
3. Find the square of 36
4. A room measures 6m by 6m.
Find the area of the room in m^2 ?
5. A piece of land has an area of $256m^2$. What is the measure of one side?
6. A square board has an area of $196 m^2$. Find the perimeter?
7. What is the greatest number that can divide 12, 18 and 24 exactly without a remainder?
8. What is the smallest number that can be divided by both 6 and 12?
9. Two bells ring at intervals of 30 min and 40 min. The bells were rang at 8:00 am. At what time will they ring together again?

DAY: 2

1. Work out:
 - a) $\frac{1}{2} + \frac{1}{5} + \frac{1}{4}$
 - b) $2 - \frac{1}{4} - \frac{1}{2}$
 - c) $5\frac{1}{4} + 7\frac{1}{4} + 3\frac{1}{3}$
 - d) $11\frac{5}{6} - 4\frac{1}{2} - 3\frac{1}{3}$
 - e) $12 \times 5\frac{1}{6}$
 - f) $\frac{9}{20} \times 33\frac{1}{3}$
 - g) $8 \div \frac{1}{8}$
 - h) $9\frac{1}{3} \div 10\frac{1}{2}$
2. Find the reciprocal of
 - a) $\frac{8}{9}$
 - b) $2\frac{1}{3}$

3. Find the squares of:

- a) $\frac{7}{8}$
- b) $4\frac{1}{4}$

4. Find the square root of:

- a) $\frac{9}{25}$
- b) $6\frac{1}{4}$

DAY: 3

1. What is the place value of digit 2 in the number?
 - a) 36.827
 - b) 12.3456
2. Find the total value of digit 4 in the number?
 - a) 6.6431
 - b) 548.21
3. Round off 34.56 to the nearest whole number.
4. Round off 5.4721 correct to 3 decimal places.
5. Round off 17.2809 to the nearest hundreds.
6. Change 0.075 into fraction and give your answer in simplest form.
7. Change $\frac{3}{5}$ into a fraction.
8. Work out;
 - a) $32 - 6.006$
 - b) $9.72 + 10.04 + 0.003$
 - c) 0.13×1.3
 - d) $37.5 \div 5$

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WEEK 3 (30TH - 3RD APRIL 2020)

DAY:1

- What is the place value of the underlined digits?
 - 6,753,498
 - 23,104
 - 27,241,369
 - 9,434,696
 - 72,493,594
- What is the total value of the underlined digits?
 - 8,461,349
 - 2,496,728
 - 499,999
 - 24,693,620
 - 94,625,136
- How many groups of 100 are there in the value of underlined digits?
 - 2,467,925
 - 3,290,437
 - 4,369,511
- Round off to the nearest 10
 - 57231
 - 69496
 - 9949
 - 37240
- Round off to the nearest 1000
 - 549
 - 67999
 - 36222
 - 46325

DAY :2

- What is the sum of the 7520 and 2400 to the nearest thousands?
- What is the product of 660 and 25 to the nearest hundreds?
- Which of the following numbers are divisible by 8
 - 32,820
 - 8,640
 - 37,596
 - 689,432
 - 42,240

4. Which of the following numbers is divisible by 6.

- 14,657
- 2,754
- 4576
- 4536

5. Find the missing numbers

9	a	3
b	10	e
c	d	11

a=
b=
c=
d=
e=

DAY: 3

1. Work out:

- $158,473 + 13,223$
- $576,074 + 39,480 + 6,792$
- $292,507 - 32,917$
- $2,493,241 - 1,599,699$
- 608×405
- 402×96
- $48,425 \times 25$
- $4,992 \div 52$

2. In a harambee function, the first guest contributed Shs. 734,851 while the second guest contributed Shs. 748,242. How much did they contribute altogether?

3. In an election, there were 95,674 registered voters. If 12,042 did not turn up for voting, how many votes were cast?

4. A cashier deposited Shs. 6,500 every day. How much money was deposited in 30 days?

5. 53,082 students are to be distributed equally in 54 colleges across the country.