Math Department A,B,C,	Name:
	Grade: (5)
	Math study sheet	Date: / Nov/ 2025

Dear parents and students:

The final exam for Math will be on _____ 8 /Dec/2025

The required pages are(p1,p2,p3,p10,p11,p13,p55,p57,p59)

Q1) Choose the correct answer:

1. Which of the following represents increasing pattern?

   a) 40, 35, 30, 25   b) 5, 15, 25, 35   c) 90, 70, 50, 30   d) 100, 90, 80, 70

2. Which of the following represents decreasing pattern?

   a) 12, 24, 36, 48   b) 60, 70, 80, 90   c) 100, 130, 160, 190   d) 8, 6, 4, 2

3. What is the next number in the pattern: 120, 140, 160, 180, …?

   a) 190   b) 200   c) 175   d) 300

4. Find the next number in a pattern 400, 420, 440, 460, …

   a) 480   b) 500   c) 450   d) 420

5. In the pattern 9, 12, 15, 18… what is the pattern rule?

   a) Add 2   b) Add3   c) Multiply by 2   d) Subtract 3

1

6. In the pattern 2, 7, 12, 17... what is the pattern rule?

   a) Add 5   b) Multiply by5   c) subtract5   d) +10

7. What is the standard form of "four hundred sixty-two thousand eight hundred fifteen"?

   a) 462,815   b) 462,581   c) 426,851   d) 462,158

8. What is the standard form of "six hundred five thousand eight hundred twelve"?

   a) 605,812   b) 650,812   c) 605,821   d) 608,512

9. What is the missing number in the pattern (80, 160, 240, _____, 400)?

   a) 260   b) 300   c) 320   d) 280

10. What is the missing number in the pattern (60, 120, 180, ____, 300) ?

   a) 240   b) 210   c) 200   d) 180

11. Rounding (389,742) to the nearest ten thousand gives:

   a) 399,000   b) 390,000   c) 389,700   d) 380,000

12. Rounding (246,895) to the nearest ten thousand gives:

   a) 247,000   b) 246,000   c) 240,000   d) 250,000

13. One of these fractions is equivalent to $\frac{3}{4}$:

   a) $\frac{6}{8}$ b) $\frac{4}{6}$ c) $\frac{3}{6}$ d) $\frac{1}{12}$

14. One of these fractions is equivalent to: $\frac{2}{5}$

   a) : $\frac{4}{10}$ b) : $\frac{3}{5}$ $\frac{5}{9}$ c) : $\frac{2}{6}$ d) : $\frac{5}{8}$

15. Compare: $\dfrac{7}{9}$ _____ $\dfrac{5}{9}$

   a) >   b) <   c) =   d) ≥

16. Compare: $\dfrac{5}{6}$ _____ $\dfrac{8}{12}$

   a) >   b) <   c) =   d) ≤

17. Write the missing number to get equivalent fractions:

$$\dfrac{5}{\_} = \dfrac{15}{9}$$

   a) 2   b) 3   c) 5   d) 6

18. Write the missing number to get equivalent fractions:

$$\dfrac{2}{16} = \dfrac{1}{\_}$$

   a) 2   b) 3   c) 5   d) 8

Q2: Round each number to the nearest hundred thousand

   1. 648,920: ≈600 , 000

   2. 205,389: ≈ 200 , 000

   3. 981,200: ≈ 1,000,000

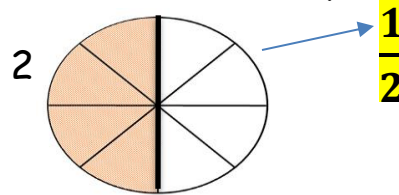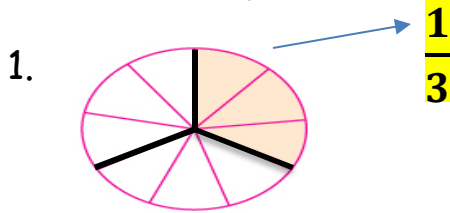Q3: Write each number in <u>standard form</u>

   1. 300,000 + 40,000 + 2,000 + 500 + 30 = 342, 530

   2. 500,000 + 6,000 + 700 + 20 = 506,720

   3. 700,000 + 80,000 + 900 + 4 = 780,904

Q4) Write an equivalent fraction to describe the shaded parts

1. → $\dfrac{1}{3}$

2. → $\dfrac{1}{2}$

Q5) Compare each pair of fractions using < or >

1. $\dfrac{3}{7}$ > $\dfrac{1}{7}$

2. $\dfrac{9}{10}$ > $\dfrac{4}{5} \times \dfrac{2}{2}$

3. $\dfrac{3}{3}$ > $\dfrac{1}{2}$

Comparing Fractions – Summary

1- Same Denominator

If two fractions have the same denominator, the fraction with the larger numerator is greater.

- Example: $\dfrac{5}{8}$ > $\dfrac{1}{8}$ is greater.

2- Same Numerator:

If two fractions have the same numerator, the fraction with the smaller denominator is greater.

- Example: $\dfrac{3}{4}$ > $\dfrac{3}{8}$ → 3/4 is greater.

3- Different Numerator and Denominator

  Find a common denominator

Example: $\dfrac{2}{3}$ > $\dfrac{3}{5}$ → : $\dfrac{2 \times 5}{3 \times 5}$ = $\dfrac{10}{15}$, $\dfrac{3 \times 3}{5 \times 3}$ = $\dfrac{9}{15}$ **2/3 is greater.**