

Grade 5

Additional Work Assignments

March 23 – April 8

1. Mathematica Preparatory Test
2. Practice Worksheets
3. Language & Tapestry Assignments As Noted

Gr.5 Extended Work

1. Spelling-Lesson #29 (pg's 122-125)
-Lesson #30 (pg's 126-131)

2. Cursive- finish all remaining pages in your workbook

3. Proofread & edit all your novel studies work from To Kill a Mockingbird. Be sure to use important question words for every answer, explain all your ideas, paraphrase (do not copy straight from your novel) write neatly, skip lines, check your spelling & grammar.

4. Tapestry -¹⁾ Reread pg 99 & think of a current problem we are facing today & explain how you & others like you could help with this issue.

2) Write a letter to the PM. Include an introduction, body, conclusion, closing & your name. Explain who you are & why you're writing. Tell the PM what concerns you have & ideas you have to help solve the problem.

5. Language Skills - Do this on paper or in any Language notebook you have at home.

Write 2 paragraphs. Paragraph 1 about how you are keeping busy at home & paragraph 2 about how you can stay connected with friends & family from a distance

6. Creative writing

- a) There are many different kinds of entertainment, (eg. music, games, books, movies). Explain your favourite type of entertainment & why you like it. Give specific examples
- b) What is something you want to learn to do? Explain what you would like to learn & why.
- c) Think about a special event you experienced. Write to explain the event & why it was important to you
- d) Since school is temporarily closed, imagine that you could do anything you wanted to do. What would you do? Write a story about what happens.

Please try to write at least 1 full page per topic. Your effort & explanation is important.

7. Tapestry - Read: Town Planner - what is a town? Learning Event#1

- Make a title page & colour it.
- Read "to do" pg 105 - Follow the instructions about your community. Do this in your notebook

Mathematica Centrum

Together, let's shape the mathematicians of the future

FIBONACCI PREPARATORY TEST 2020

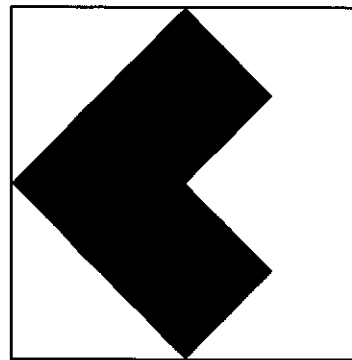
1. $734 - 530 = ?$
A) 234 B) 204 C) 304 D) 230 E) 332
2. A number divided by 4 gives 4. If 5 is subtracted from this number, the result will be
A) 10 B) 15 C) 12 D) 11 E) 14
3. The fifth letter after the ninth letter of the alphabet is the letter
A) m B) n C) o D) p E) q
4. What is the sum of the two unknown terms (X and Y) in the sequence: 5, 10, 15, 20, X, Y, 35 ...?
A) 40 B) 50 C) 55
D) 60 E) 45

5. 10 nickels = 2 quarters + ? dimes.

A) 1 B) 4 C) 3
D) 2 E) 0

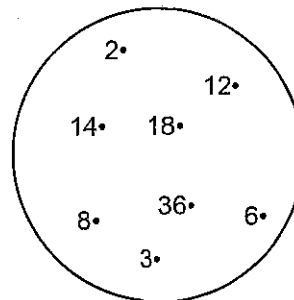
6. What fraction of the large square does the shaded area represent?

A) $\frac{6}{16}$ B) $\frac{7}{16}$ C) $\frac{1}{4}$
D) $\frac{5}{16}$ E) $\frac{3}{16}$



7. How many elements of the set shown are divisors of 36?

A) 4 B) 2 C) 3
D) 6 E) 5

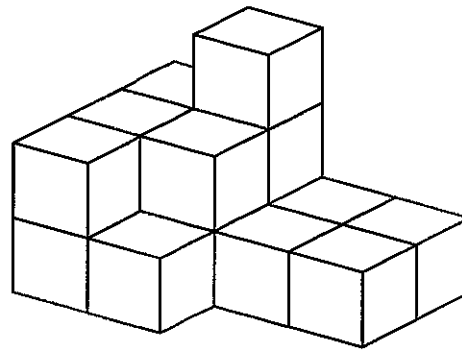


8. One half of one half of 20 plus 3 is equal to

A) 7 B) 8 C) 9
D) 11 E) 10

9. How many blocks are there in the pile?

- A) 10 B) 12 C) 16
D) 13 E) 14

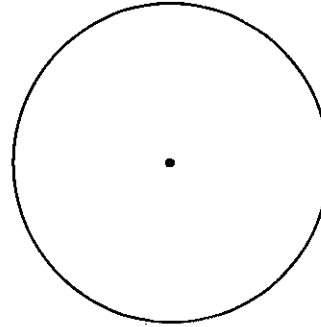


10. The number of faces of a cube plus the number of vertices of a cone plus the number of sides of an hexagon is equal to

- A) 12 B) 13 C) 11
D) 10 E) 14

11. How many odd 3-digit natural numbers can be formed using the digits 2, 7, and 8?

- A) 4 B) 5 C) 3
D) 2 E) 6



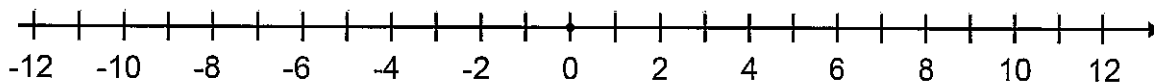
12. A round pizza is cut through its centre. How many pieces of pizza can be eaten, if it is cut 8 times?

- A) 8 B) 16 C) 14
D) 12 E) 18

13. 10 cm = ? dm

- A) 100 B) 50 C) 1 000 D) 1 E) 10

14. The initial temperature in a northern city was 9 degrees. If the temperature decreased by 2 degrees each day for 6 consecutive days, then increased by 3 degrees each day for 3 consecutive days, what was the final temperature after 9 days?



- A) 0 degree B) -3 degrees C) -2 degrees D) 5 degrees E) 6 degrees

15. How many natural numbers between 99 and 150 are odd?

- A) 23 B) 24 C) 25 D) 26 E) 27

16. If a heart beats 10 times in 5 seconds, how many times does it beat in 1 minute?

- A) 120 times B) 100 times C) 110 times D) 90 times E) 130 times

17. When a natural number is divided by 3, the remainder is odd. This number could not be

- A) 16 B) 5 C) 13 D) 10 E) 7

26. An animal breathes for 2 minutes, then stops breathing for 3 minutes. When it breathes, it breathes at a rate of 60 times per minute. At this rate, how many times will it breathe during a period of one hour?

- A) 1 840 times B) 10 800 times C) 800 times D) 2 000 times E) 1 440 times

10

Equivalent Fractions, Simplifying and Comparing Fractions

EXAMPLES

1. Write 3 fractions which are equivalent to $\frac{2}{3}$.

$$\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12}$$

$$\begin{array}{ccc} \uparrow & \uparrow & \uparrow \\ \frac{2 \times 2}{3 \times 2} & \frac{2 \times 3}{3 \times 3} & \frac{2 \times 4}{3 \times 4} \end{array}$$

2. Order the following fractions from least to greatest using $<$.

$$\frac{9}{8}, \frac{9}{12}, \frac{7}{8}, \frac{1}{4}, \frac{5}{8}, \frac{6}{16}, \frac{5}{4}$$

$$\frac{9}{12} = \frac{9 \div 3}{12 \div 3} = \frac{3}{4} = \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$$

$$\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$$

write the equivalent fractions with 8 as the denominator

$$\frac{6}{16} = \frac{6 \div 2}{16 \div 2} = \frac{3}{8}$$

$$\frac{5}{4} = \frac{5 \times 2}{4 \times 2} = \frac{10}{8}$$

compare the numerators

$$\therefore \frac{2}{8} < \frac{3}{8} < \frac{5}{8} < \frac{6}{8} < \frac{7}{8} < \frac{9}{8} < \frac{10}{8}$$

$$\therefore \frac{1}{4} < \frac{6}{16} < \frac{5}{8} < \frac{9}{12} < \frac{7}{8} < \frac{9}{8} < \frac{5}{4}$$



HINTS!

- To find an equivalent fraction, multiply or divide the numerator and denominator by the same number.
- To compare fractions, find their equivalent fractions with the same denominator and then compare the numerators. Remember that the final answers must be written in terms of the original fractions.
- To simplify a fraction is to reduce the fraction to lowest terms or simplest form.

Simplify the following fractions.

① $\frac{90}{100} =$ _____ ② $\frac{15}{33} =$ _____

③ $\frac{49}{56} =$ _____ ④ $\frac{38}{40} =$ _____

⑤ $\frac{990}{1000} =$ _____ ⑥ $\frac{77}{121} =$ _____

⑦ $\frac{56}{72} =$ _____ ⑧ $\frac{45}{54} =$ _____ ⑨ $\frac{55}{70} =$ _____ ⑩ $\frac{48}{80} =$ _____

⑪ $\frac{42}{77} =$ _____ ⑫ $\frac{16}{48} =$ _____ ⑬ $\frac{3}{45} =$ _____ ⑭ $\frac{44}{120} =$ _____