На выполнение работы отводится 60 минут.

В работе Вам встретятся разные задания. В некоторых заданиях нужно будет выбрать ответ из нескольких предложенных и обвести цифру, которая стоит рядом с ответом, который Вы считаете верным.

В некоторых заданиях потребуется записать только полученный краткий ответ в виде числа или слов в специально отведенном для этого месте.

В работе будут задания, в которых надо записать решение или краткий ответ и объяснение этого ответа.

Внимательно читайте задания!

Одни задания покажутся Вам легкими, другие – трудными. Если Вы не знаете, как выполнить задание, пропустите его и переходите к следующему. Если останется время, можете ещё раз попробовать выполнить пропущенные задания.

Если Вы ошиблись и хотите исправить свой ответ, то зачеркните его и обведите или запишите тот ответ, который считаете верным

**Итоговая контрольная работа для учащихся 6 классов**

**по математике (Демо версия)**

ФИ\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Вариант 2**

1. Какое число является кратным числа 30?

1) 1 2) 60 3) 3 4) 15

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2 Какую цифру нужно подставить вместо \*, чтобы число 3\*001делилось на 3?

 1) 5 2) 6 3) 1 4) 0

3. Какое из чисел надо подставить вместо \* в равенство 

1) 5; 2) 15 3) 8; 4) 4

4. Чему равна разность чисел 6,32 и 18,55

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5. Чему равно произведение чисел ?

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**6**\*.С какой скоростью нужно идти туристу, чтобы пройти 4,5 км за часа? Запишите решение.

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Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7** . Решите уравнение: 3х - 6 = 8 - 4х

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Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Обведите номер верного неравенства:

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| а ) - 8› 6 | б) 0 ‹ - 35 | в) - 20 ‹ - 30 | г) - 38 ‹ -28 |

9. На диаграмме показана среднемесячная температура воздуха в Нижнем Новгороде за каждый месяц 2014 года. По горизонтали указываются месяцы, по вертикали — температура в градусах Цельсия. Определите сколько месяцев в году температура была отрицательной ?

 Ответ:\_\_\_\_\_

10. Укажите координаты точки М



Ответ: ( ; )

11. На поверхности куба найдите и начертите кратчайший путь из точки А в точку В через точку С



12. Реши задачу. Из 24 конфет Петя подарил  всех конфет. Сколько конфет подарил Петя?

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Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. Петя съел пирога , а Вася  пирога. Какую часть пирога съели мальчики?

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Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 14\*.В 1 ящике яблок в 5 раз меньше, чем на втором. Сколько яблок в каждом ящике, если всего на двух ящиках 42 яблока. Решите задачу, составив уравнение

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Ответ: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. Вычисли площадь закрашенной фигуры

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Ответ: \_\_\_\_\_\_

16\*. Длина полевой мыши изображена на чертеже отрезком равным 2,2 см. Масштаб чертежа 1:5. Найдите длину мыши в природе и изобразите ее отрезком.

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Ответ: длина крота\_\_\_\_\_\_

17. Какая из точек имеет координату, равную -4?



1)А 2) В 3)С 4)D

**18**. Упростите выражение: (х- 1,9) - (5х -2,9) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19.Через точку А проведите прямую, перпендикулярную прямой с



с

20\*. На обед продается 7 различных первых блюд и 3 различные вторые блюда. Сколько есть вариантов в покупке первого блюда со вторым

**1)10; 2)21; 3)3; 4) 4**

**1.Распределение заданий по уровню сложности**

|  |  |
| --- | --- |
| Уровень сложности | Число заданий в варианте |
| Базовый (Б) | 16 |
| Повышенный (П) | 4 |
| Итого: | 20 |

ВО-выбрать ответ

КО-краткий ответ

РО-записать решение и ответ

**Система оценивания заданий и работы в целом**

План варианта работы

|  |  |  |  |
| --- | --- | --- | --- |
| № задания | Тип задания | Уровень сложности | Максимальный балл за выполнение заданий |
| 1 | ВО | Б | 1 |
| 2 | ВО | Б | 1 |
| 3 | ВО | Б | 1 |
| 4 | РО | Б | 1 |
| 5 | РО | Б | 1 |
| 6 | РО | П | 2 |
| 7 | РО | Б | 1 |
| 8 | ВО | Б | 1 |
| 9 | КО | Б | 1 |
| 10 | КО | Б | 1 |
| 11 | РО | Б | 1 |
| 12 | РО | Б | 1 |
| 13 | РО | Б | 1 |
| 14 | РО | П | 2 |
| 15 | РО | Б | 1 |
| 16 | РО | П | 2 |
| 17 | ВО | Б | 1 |
| 18 | РО | Б | 1 |
| 19 | РО | Б | 1 |
| 20 | ВО | П | 2 |
| Итого | 24 |

Оценки за выполнение работы

«5» - 22 – 24 баллов

«4» - 17 – 21 баллов

«3» - 10 – 16 баллов

«2» - 0 –9 баллов