**Проверочная работа по МАТЕМАТИКЕ**

**7 класс**

**Вариант 6**

**Инструкцияповыполнениюработы**

Навыполнениеработыпоматематикедаётся60минут.Работасодержит15заданий.

В заданиях, после которых есть поле со словом «Ответ», запишите ответ в указанномместе.

В задании 12 нужно отметить и обозначить точки на числовой прямой. В задании 14нужнопостроить схематично график.

Взаданиях,послекоторыхестьполясословами«Решение»и«Ответ»,запишитерешениеиответвуказанныхместах.

ЕслиВыхотитеизменитьответ,зачеркнитеегоизапишитерядомдругой.

Привыполненииработынельзяпользоватьсяучебниками,рабочимитетрадями,справочниками,калькулятором.

Принеобходимостиможнопользоватьсячерновиком.Записивчерновикепроверятьсяиоцениватьсянебудут.

Советуемвыполнятьзаданиявтомпорядке,вкоторомониданы.Дляэкономиивремени пропускайте задание, которое не удаётся выполнить сразу, ипереходитекследующему.Постарайтесьвыполнитькакможнобольшезаданий.

***Желаемуспеха!***

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| *Таблицадлявнесениябалловучастника* | | | | | | | | | | | | | | | | | |
| *Номера*  Номерзадания  1  2 3 4 5 6 7 8 9 10 11 12 13 14 15  СуммаОтметкабалловзаработу  Баллы  *задания* | *1* | *2* | *3* | *4* | *5* | *6* | *7* | *8* | *9* | *10* | *11* | *12* | *13* | *14* | *15* | *Сумма*  *баллов* | *Отметка за работу* |
| *Баллы* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Найдите значение выражения93:11.

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Найдите значение выражения7,179,81:3.

**2**

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Втаблицепоказано,сколькоднейвмесяцвыпадалиосадкивЯкутскевтечениенекоторогогода.

**3**

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| Осадки | Месяц | | | | | | | | | | | |
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| Дождь | 0 | 0 | 0 | 3 | 0 | 16 | 15 | 15 | 16 | 4 | 0 | 0 |
| Снег | 2 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 10 | 12 |
| Роса,  иней | 19 | 12 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 4 | 18 |

Пользуясьданными,представленнымивтаблице,найдите,сколькоднейвЯкутскевыпадалснегвзимниемесяцы.

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Поездидётсоскоростью180км/ч.Сколькометровонпроезжаетзаоднусекунду?

**4**

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Ирина заплатила за покупки в магазине 1200 рублей, причём на продукты она потратила 95%всейсуммы.Сколькорублейонапотратиланапродукты?

**5**

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Линейкастоитстолькоже,сколькотетрадьикарандашвместе,атетрадьдорожекарандаша.Выберитеверныеутвержденияизапишитевответеихномера.

**6**

1. Карандашдорожететради.
2. Карандашдешевлелинейки.
3. Тетрадьдорожелинейки.
4. Двететрадистоятдорожелинейки.

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Надиаграммепредставленораспределениеколичествазарегистрированныхпользователейнекоторогосайтапостранаммира.Всегонасайтезарегистрировано100тысяччеловек.

**7**

АвстралияВеликобританияСША

другиестраны

Определитеподиаграмме,сколькопримерножителейВеликобританиизарегистрированонаэтомсайте.

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Графикфункции

**8**

*y**kx*2 проходитчерезточкускоординатами (9;5)

Найдите

коэффициент*k*.

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Решитеуравнение3*x*23*x* 410.

**9**

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Прочитайтетекст.

**10**

*Массашерстянойпряжи,котораярасходуетсянаизготовлениевязаногоизделия,зависитотспособавязки,отплотностивязкииплотностииспользуемойшерсти.Лёгкаяпряжавеситоколо120гна100мнити,атяжёлыевидымогутвеситьдо 600 г на 100 м. Даже опытный мастер, начиная вязать свитер или большой шарф,может неверно оценить на глаз нужное количество пряжи. Часто поступают так:сначаламастервяжетнебольшойобразец,измеряетегоплощадьисмотрит,сколько граммов или метров нити ушло на него. Таким образом, зная площадь будущегоизделия, мастер может довольно точно оценить, сколько граммов или сколько метровпряжипотребуется, чтобысвязатьвсё изделиецеликом.*

Светланасобираетсясвязатьшарфдлиной140смишириной30см.Ейнужноузнать,сколькопотребуетсяпряжи.Для этого она связала пробный образец размером10 см  10 см. На образец у неё ушло 16 м пряжи. Хватит ли Светлане на шарф двух мотковпряжи,по350мвкаждом?

Запишитерешениеиответ.

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдите значение выражения *c**c*3*c*42

**11**

при*c*2.

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Отметьтеиобозначьтенакоординатнойпрямойточки

**12**

*A*1,77,

*B*1,87

и*C*(1).

Ответ:

Наклетчатойбумагесразмеромклетки11

**13**

отмеченыточки*А*,

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|  |  |  |  |  | *A* |
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|  | *C* |  |  |  |  |
|  | *B* |  |  |  |  |
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*В*и*С*.Найдитерасстояниеотточки*A*допрямой*ВС*.

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Прочитайтетекст.

**14**

*В понедельник сайт посетило 24 человека. Во вторник — на 4 человека меньше, и этобыласамаянизкаяпосещаемостьзанеделю.Всредунасайтепубликуетсяновостьнедели,поэтомувэтотденьчислопосетителейвырослона30%посравнениюсо вторником.Вчетвергсайтпосетилостолькожечеловек,скольковпонедельник.К выходнымколичество посетителей всегда увеличивается. В пятницу их былона 5 человекбольше,чемв предыдущийдень.Всубботупосещаемостьсайтабыланаибольшейзанеделю—в полтораразавыше,чемвсреду,аввоскресеньечислопосетителейуменьшилосьна6человек.*

Поописаниюпостройтеграфикзависимостичислапосетителейсайтаотднянедели.Соседние точки соедините отрезками. Точка, показывающая число посетителейвпонедельник,ужеотмеченанарисунке.

Ответ: Числопосетителей



Деньнедели



Велосипедист и пешеход одновременно начали движение из пункта А в пункт B. Когдавелосипедист приехал в пункт B, пешеходу осталось пройти две трети всего пути. Когдапешеход пришёл в пункт B, велосипедист уже ждал его тамполчаса. Сколько минут ехалвелосипедистизпунктаАвпунктB?

**15**

Запишитерешениеиответ.

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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