**Проверочная работа по МАТЕМАТИКЕ**

**7 класс**

**Вариант 8**

**Инструкция по выполнению работы**

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* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Найдитезначениевыражения32:5.

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5 333

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Найдите значениевыражения8,267,52:2.

**2**

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Втаблицепоказано,сколькоднейвмесяцвыпадалиосадкивМосквевтечениенекоторогогода.

**3**

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| Осадки | Месяц | | | | | | | | | | | |
| янв | февр | март | апр | май | июнь | июль | авг | сент | окт | нояб | дек |
| Дождь | 0 | 0 | 2 | 5 | 9 | 12 | 4 | 5 | 8 | 17 | 8 | 8 |
| Снег | 7 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 9 |
| Роса,  иней | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

Пользуясьданными,представленнымивтаблице,найдите,сколькоднейвМосквевыпадалснегвзимниемесяцы.

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Поездидётсоскоростью162км/ч.Сколькометровонпроезжаетзаоднусекунду?

**4**

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Светланазаплатилазапокупкивмагазине1800рублей,причёмнапродуктыонапотратила65%этойсуммы.Сколькорублейонапотратиланапродукты?

**5**

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Точилкастоитстолькоже,сколькокарандашилинейкавместе,алинейкадорожекарандаша.Выберитеверныеутвержденияизапишитевответеихномера.

**6**

1. Точилкадорожекарандаша.
2. Двелинейкистоятдорожеточилки.
3. Карандашдорожелинейки.
4. Ластикдорожеточилки.

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Надиаграммепредставленораспределениеколичествазарегистрированныхпользователейнекоторогосайтапостранаммира.Всегонасайтезарегистрировано100тысяччеловек.

**7**

АвстралияВеликобританияСША

другиестраны

Определитеподиаграмме,сколькопримерножителейСШАзарегистрированонаэтомсайте.

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Графикфункции*y=kx*-3проходит через точку (11; 2). Найдите коэффициент *k.*

**8**

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Решитеуравнение3*x*23*x*219.

**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.*

Галина собирается связать шарф длиной 120 см и шириной 20 см. Ей нужно узнать, сколькопотребуетсяпряжи.Дляэтогоонасвязалапробныйобразецразмером10см10см.Наобразецунеёушло26мпряжи.ХватитлиГалиненашарфдвухмотковпряжи,по300мвкаждом?

Запишитерешениеиответ.

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдите значение выражения *b**b*5*b*62

**11**

при*b*2.

7

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Отметьтеиобозначьтенакоординатнойпрямойточки

**12**

*A*3,15,

*B*2,77и*C*(2).

Ответ:

Наклетчатойбумагесразмеромклетки11

**13**

отмеченыточки*А*,

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



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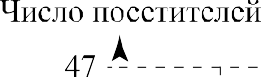
Прочитайтетекст.

**14**

*В понедельник сайт посетило 26 человек. Во вторник — на одного человека меньше, и этобыласамаянизкаяпосещаемостьзанеделю.Всредунасайтепубликуетсяновостьнедели,поэтомувэтотденьчислопосетителейвырослона20%посравнениюсо вторником.В четвергсайтпосетилостолькожечеловек,скольковпонедельник.К выходнымколичество посетителей всегда увеличивается. В пятницу их былона 5 человекбольше,чемвпредыдущийдень,авсубботуещёна6человекбольше.В воскресенье посещаемость сайта была наибольшей за неделю — в полтора раза выше,чемв среду.*

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

Ответ:

































Велосипедист и пешеход одновременно начали движение из пункта А в пункт B. Когдавелосипедист приехал в пункт B, пешеходу осталось пройти четыре седьмых всего пути.Когда пешеход пришёл в пункт B, велосипедист уже ждал его там 20 минут. Сколько минутехалвелосипедистизпунктаАвпунктB?

**15**

Запишитерешениеиответ.

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