**Проверочная работа по МАТЕМАТИКЕ**

**7 класс**

**Вариант 7**

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

Найдитезначениевыражения35:7.

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдитезначениевыражения4,515,82:2.

**2**

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В таблице показано, сколько дней в месяц выпадали осадки в Костроме в течение некоторогогода.

**3**

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| Осадки | Месяц | | | | | | | | | | | |
| янв | февр | март | апр | май | июнь | июль | авг | сент | окт | нояб | дек |
| Дождь | 0 | 0 | 4 | 14 | 16 | 7 | 9 | 17 | 18 | 12 | 3 | 0 |
| Снег | 8 | 12 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 12 |
| Роса,  иней | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 4 | 4 | 3 | 2 |

Пользуясь данными, представленными в таблице, найдите, сколько дней в Костроме выпадалснегвзимниемесяцы.

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Поездидётсоскоростью126км/ч.Сколькометровонпроезжаетзаоднусекунду?

**4**

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Викториязаплатилазапокупкивмагазине1400рублей,причёмнапродуктыонапотратила75%всейсуммы.Сколькорублейонапотратиланапродукты?

**5**

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Ручка стоит столько же, сколько карандаш и линейка вместе, а линейка дороже карандаша.Выберитеверныеутвержденияизапишитевответеихномера.

**6**

1. Линейкадорожеручки.
2. Карандашдешевлелинейки.
3. Ручкадорожекарандаша.
4. Двакарандашастоятдорожеручки.

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На диаграмме представлено распределение количества зарегистрированных пользователейнекоторогосайтапо странаммира.Всегонасайтезарегистрировано100тысячпользователей.

**7**

Определитеподиаграмме,сколькопримерножителейКолумбиизарегистрированонаэтомсайте.

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График функции *y=kx-4*проходит через точку (19;6).Найдите коэффициент *k.*

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Решитеуравнение2*x*33*x*111.

**9**

**8**

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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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.*

Полина собирается связать шарф длиной 170 см и шириной 20 см. Ей нужно узнать, сколькопотребуетсяпряжи.Дляэтогоонасвязалапробныйобразецразмером10см10см.Наобразецунеёушло24мпряжи.ХватитлиПолиненашарфдвухмотковпряжи,по400мвкаждом?

Запишитерешениеиответ.

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдите значение выражения *y**y*8*y*32

**11**

при

*y*1.

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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ОтметьтеиобозначьтенакоординатнойпрямойточкиОтвет:

**12**

*A*6,

 

7

*B*0,98

и*C*2,74.

Наклетчатойбумагесразмеромклетки 1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 25 человек. Во вторник на сайте публикуется новостьнедели, поэтому во вторник число посетителей выросло на 40% по сравнениюс понедельником.Всредучислопосетителейоказалосьна9человекменьше,чемвовторник.Вчетвергколичествопосетителейувеличилосьна 2 человекапосравнениюспредыдущимднём. Квыходным количество посетителей всегда увеличивается.Впятницусайтпосетилостолькожечеловек,сколькововторник,авсубботуещёна4человекабольше.Ввоскресеньепосещаемостьсайтабыланаибольшейзанеделю—вполтораразавыше,чем в четверг.*

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 три пятых всего пути. Когдапешеход пришёл в пункт B, велосипедист уже ждал его там полчаса. Сколько минут ехалвелосипедистизпунктаАвпунктB?

**15**

Запишитерешениеиответ.

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