# Проверочная работа по МАТЕМАТИКЕ

**7 класс**

# Вариант 5

**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.

***Желаемуспех***

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

Найдитезначениевыражения24:9.

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9 728

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдите значение выражения8,285,34:3.

**2**

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Втаблицепоказано,сколькоднейвмесяцвыпадалиосадкивТюменивтечениенекоторогогода.

**3**

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| Осадки | Месяц | | | | | | | | | | | |
| янв | февр | март | апр | май | июнь | июль | авг | сент | окт | нояб | дек |
| Дождь | 0 | 0 | 2 | 9 | 16 | 17 | 17 | 19 | 19 | 4 | 4 | 0 |
| Снег | 14 | 19 | 15 | 8 | 4 | 0 | 0 | 0 | 2 | 5 | 8 | 10 |
| Роса,  иней | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 2 | 2 | 2 | 1 | 0 |

Пользуясьданными,представленнымивтаблице,найдите,сколькоднейвТюменивыпадалснегвзимниемесяцы.

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Поездидётсоскоростью144км/ч.Сколькометровонпроезжаетзаоднусекунду?

**4**

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Елена заплатилазапокупкивмагазине1600рублей,причёмнапродуктыонапотратила85%всейсуммы.Сколькорублейонапотратиланапродукты?

**5**

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Линейка стоит столько же, сколько точилка и карандаш вместе, а точилка дороже карандаша.Выберитеверныеутвержденияизапишитевответеихномера.

**6**

1. Точилкадорожелинейки.
2. Дветочилкистоятдорожелинейки.
3. Карандашдешевлелинейки.
4. Точилкадешевлекарандаша.

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На диаграмме представлено распределение количества зарегистрированных пользователейнекоторогосайтапостранаммира.Всегонасайтезарегистрировано100тысячпользователей.

**7**

Определитеподиаграмме,сколькопримерножителейИспаниизарегистрированонаэтомсайте.

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График функции y= kx- 3проходит через точку с координатами ( 7; 2). Найдите

коэффициент*k*.

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Решитеуравнение

**9**

*x*23*x*216.

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Прочитайтетекст.

**10**

*Массашерстянойпряжи,котораярасходуетсянаизготовлениевязаногоизделия,зависитотспособавязки,отплотностивязкииплотностииспользуемойшерсти.Лёгкаяпряжавеситоколо120гна100мнити,атяжёлыевидымогутвеситьдо600гна 100 м. Даже опытный мастер, начиная вязать свитер или большой шарф, можетневерно оценить на глаз нужное количество пряжи. Часто поступают так: сначаламастер вяжет небольшой образец, измеряет его площадь и смотрит, сколько граммовили метров нити ушло на него. Таким образом, зная площадь будущего изделия, мастерможетдовольноточнооценить,сколькограммовилисколькометровпряжипотребуется,чтобысвязатьвсё изделие целиком.*

Марина собирается связать шарф длиной 130 см и шириной 50 см. Ей нужно узнать, сколькопотребуетсяпряжи.Дляэтогоонасвязалапробныйобразецразмером10см10см.Наобразецунеёушло23мпряжи.ХватитлиМариненашарфтрёхмотковпряжи,по550мвкаждом?

Запишитерешениеиответ.

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Ответ: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдитезначениевыражения

**11**

*x**x*2*x*52

при

*x*3.

8

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

**12**

*A*32,

*B*0,86

и*C*3,33.

15

 

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 27 человек. Во вторник — на 2 человека больше. В средучислопосетителейуменьшилосьна4человека,иэтобыласамаянизкаяпосещаемостьза неделю. В четверг на сайте публикуется новость недели, поэтому в четверг числопосетителей выросло на 20% по сравнению со средой. В пятницу сайт посетило столькожечеловек,сколькововторник.Квыходнымколичествопосетителейвсегдаувеличивается.Всубботуихбылона7человекбольше,чемвпредыдущийдень.В воскресенье посещаемость сайта была наибольшей за неделю — в полтора раза выше,чемв 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 четверти всего пути. Когдапешеход пришёл в пункт B, велосипедист уже ждал его там 45 минут. Сколько минут ехалвелосипедистизпунктаАвпунктB?

**15**

Запишитерешениеиответ.

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