**Проверочная работа по МАТЕМАТИКЕ**

**7класс**

**Вариант1**

**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 выражения7 59.

**1**

8 620

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Найдитезначениевыражения1,54:1,40,5.

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В таблице показано, сколько дней в месяц выпадали осадки в Ижевске 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 | 1 | 3 | 5 | 18 | 8 | 12 | 12 | 8 | 2 | 0 |
| Снег | 10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 5 | 18 |
| Роса,  иней | 2 | 2 | 3 | 3 | 2 | 4 | 8 | 6 | 4 | 5 | 4 | 3 |

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

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Автомобильедетсоскоростью72км/ч.Сколькометровонпроезжаетзаоднусекунду?

**4**

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Припереводеденежныхсредствсбанковскогосчётанасчётвдругомбанкевзимаетсякомиссия2,5%отсуммыперевода.Сколькорублейсоставиткомиссияприпереводе14000рублей?

**5**

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Тетрадьстоитстолькоже,сколькоручкаилинейкавместе,алинейкадорожеручки.Выберитеверныеутвержденияизапишитевответеихномера.

**6**

1. Ручкадорожететради.
2. Тетрадьдорожелинейки.
3. Ручкадешевлелинейки.
4. Двелинейкистоятдешевлететради.

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Надиаграммепоказаносодержаниепитательныхвеществвсухарях.

**7**

белкижирыуглеводыпрочее\*

\*кпрочемуотносятсявода,витаминыиминеральныевещества.

Определитеподиаграмме,сколькопримернограммовуглеводовсодержитсяв100гсухарей.

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Графикфункциичисло*b*.

**8**

*y*2,4*x**b*

проходитчерезточкускоординатами6;–11.Найдите

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Решитеуравнение1253*x*15.

**9**

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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.*

Валентина собирается связать шарф длиной 120 см и шириной 20 см. Ей нужно узнать,сколькопотребуетсяпряжи.Дляэтогоонасвязалапробныйобразецразмером

10см10см.

Наобразецунеёушло27мпряжи.ХватитлиВалентиненашарфдвух

мотков пряжи, по 300 м в каждом?Запишитерешениеиответ.

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдитезначениевыражения*x**x*7*x*5*x*5при

**11**

*x*3.

7

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Отметьтеиобозначьтенакоординатнойпрямойточки А, С(0,28).

**12**

Ответ:

Наклетчатойбумагесразмеромклетки11

**13**

отмеченыточки*А*,

*В*и*С*.Найдитерасстояниеотточки*A*допрямой*ВС*.

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Прочитайтетекст.

**14**

*В понедельник сайт посетило 28 человек. Во вторник — на 3 человека меньше, и это быласамая низкая посещаемость за неделю. В среду на сайте публикуется новость недели,поэтомувсредучислопосетителейвырослона40%посравнениюсовторником.В четвергсайтпосетилостолькожелюдей,скольковпонедельник.Квыходнымколичество посетителей всегда увеличивается. В пятницу их было на 4 человека больше,чемв предыдущийдень,авсубботуещёна6человекбольше.Ввоскресеньепосещаемостьсайтабыланаибольшейзанеделю—вполтораразавыше,чемвчетверг.*

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

Ответ: Числопосетителей



Деньнедели

Расстояние между пунктами А и В равно 135 км. Из пункта А в пункт В выехал легковойавтомобиль.ОдновременноснимизпунктаВвпунктАвыехалгрузовойавтомобиль,скорость которого на 15 км/ч меньше скорости легкового. Через час после начала движенияонивстретились. Через сколько минут после встречи грузовой автомобиль прибылвпунктА?

**15**

Запишитерешениеиответ.

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