**Проверочная работа по МАТЕМАТИКЕ**

**7 класс**

**Вариант 12**

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

Найдитезначениевыражения311:41.

**1**

155 3

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Найдитезначениевыражения6,48,50,8.

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Втаблицепоказаныхарактеристикинекоторыхмоделейтелефонов.

**3**

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| Характеристика | Модельтелефона | | | | | | |
| №1 | №2 | №3 | №4 | №5 | №6 | №7 |
| Цена,руб. | 11200 | 13500 | 12100 | 32200 | 13700 | 13800 | 12600 |
| Наличиесистемыбесконтактнойоплаты | да | нет | нет | да | да | да | нет |
| Диагональэкрана,дюймы | 6,0 | 6,3 | 6,0 | 5,8 | 5,8 | 6,2 | 6,3 |
| Оперативнаяпамять,ГБ | 3 | 4 | 4 | 4 | 4 | 3 | 4 |

Елизаветавыбираетсебетелефоннедороже13000рублей.Телефонкакоймоделииз предложенных ей следует купить, чтобы с помощью телефона можно было оплачиватьпокупки?

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Самолётлетитсоскоростью756км/ч.Сколькометровонпреодолеваетзаоднусекунду?

**4**

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Послеподорожанияценакурткиподняласьс2900рублейдо3625рублей.Насколькопроцентовподорожалакуртка?

**5**

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В самолёте на выбор предлагают два обеденных набора. Первый набор: говядинас картофелем и имбирный пряник на десерт. Второй набор: курица с макаронамиишоколадканадесерт.ВэтомсамолётелетятДмитрийиВалерия.Известно,чтоуДмитриявнабореоказалсякартофель,ауВалериивнаборебылпряник.Выберитеверныеутвержденияизапишитевответеихномера.

**6**

1. УВалериивнаборебылкартофель.
2. ВнабореуДмитриябылашоколадка.
3. УВалериивнабореоказаласьговядина.
4. ВнабореуДмитрияоказаласькурица.

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Завучподвёлитогиконтрольнойработыпоматематикевдевятыхклассах.Результатыпредставленынадиаграмме.

**7**

отсутствовали

отметка«2»

отметка«3»

отметкаотметка

«4»

«5»

Определитеподиаграмме,сколькопримерноучениковотсутствовалонаконтрольной,есливсеговшколе100девятиклассников.

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Графикфункции

**8**

*y**kx*1проходит черезточку(9;3).Найдите коэффициент*k*.

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Решитеуравнение735*x* 311*x*.

**9**

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Прочитайтетекст.

**10**

*При варке разные крупы увеличиваются в объёме по-разному. Очень сильно развариваетсяовсяная крупа. В меньшей степени — гречневая крупа и рис. Например, из 500 г рисовойкрупы получается 1,7 кг варёного рассыпчатого риса. Опытный повар знает, скольководытребуетсянаопределённыйобъёмкрупы,иникогданеошибётся.Новсёравнона кухне каждой столовой есть таблица, где указано, как сильно разваривается каждыйвидкрупы.*

Встуденческойстоловойготовяткурицу,анагарнир—рис.Вкаждойпорции150гварёногориса.Хватитли10кгкрупыдлятого,чтобыприготовить200порцийриса?

Запишитерешениеиответ.

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

**11**

при*c*0,2.

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Отметьтеиобозначьтенакоординатнойпрямойточки

**12**

*A*(3

*,B*0,29и*C*3,24.

Ответ:

Наклетчатойбумагесразмеромклетки11

**13**

отмеченыточки*A*,

*B*и*C*.Найдитесуммууглов*ABC*и*CAB*.Ответдайтевградусах.

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|  | *B* |  |  |  | *C* |
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|  |  |  |  |  | *A* |
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Прочитайтетекст.

**14**

*Вчетвергутромкоткрытиюкаткапришлипервыепосетители.Первыйсеансначалсяв 11:00. Пришло 11 человек: две мамы с детьми и несколько школьников, которые учатсяво вторую смену. Второй сеанс посетило на 2 человека больше. На третьем сеансе было14 человек. На четвёртый сеанспришли школьники, укоторых ужезакончилисьуроки,и несколькодошкольниковс родителями,так что число посетителей увеличилосьна 6 человек. Пятый сеанс начался в 15:00, на каток пришёл 21 человек. Прямо передшестым сеансом пошёл мокрый снег, поэтому посетителей стало меньше на 5 человек,чембылонапятомсеансе.Кначалуседьмогосеансамокрыйснегкончился,поэтомучислокатающихсявозрослов1,5разапосравнениюспредыдущимсеансом.Восьмойсеанс начался в 20:00. Катающихся было на 4 человека меньше, чем во время седьмогосеанса.*

По описанию постройте график зависимости числа посетителей катка от сеанса. Соседниеточки соедините отрезками. Точка, показывающая число посетителей на первом сеансе, ужеотмеченанарисунке.

Ответ:

Числопосетителей



















   

Сеанс



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В11:30велосипедиствыехализпунктаАвпунктB.ДоехавдопунктаB,онсделалостановку на полчаса, а в 14:00 выехал обратно с прежней скоростью. В 15:30 ему оставалосьпроехать8кмдопунктаА.Найдитерасстояниемежду пунктамиАиB.

**15**

Запишитерешениеиответ.

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