**Проверочная работа по МАТЕМАТИКЕ**

**7 класс**

**Вариант 10**

**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 выражения41:51.

**1**

62 3

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| Ответ: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдите значение выражения5,45,53,7.

**2**

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Втаблицепоказано,сколькоднейвмесяцвыпадалиосадкивХабаровскевтечениенекоторогогода.

**3**

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| Осадки | Месяц | | | | | | | | | | | |
| янв | февр | март | апр | май | июнь | июль | авг | сент | окт | нояб | дек |
| Дождь | 0 | 0 | 1 | 3 | 14 | 16 | 15 | 15 | 16 | 4 | 0 | 0 |
| Снег | 10 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 10 | 12 |
| Роса,  иней | 19 | 12 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 4 | 18 |

Пользуясьданными,представленнымивтаблице,найдите,сколькоднейвХабаровскевыпадалснегвзимниемесяцы.

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Поездидётсоскоростью216км/ч.Сколькометровонпроезжаетзаоднусекунду?

**4**

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Послеподорожанияценакурткиподняласьс3500рублейдо4025рублей.Насколькопроцентовподорожалакуртка?

**5**

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Ручкастоитстолькоже,сколькокарандашилинейкавместе,алинейкадорожекарандаша.Выберитеверныеутвержденияизапишитевответеихномера.

**6**

1. Карандашдорожелинейки.
2. Двакарандашастоятдешевлеручки.
3. Линейкадорожеручки.
4. Ручкадорожекарандаша.

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Надиаграммепоказаносодержаниепитательныхвеществврисе.

**7**

белкижирыуглеводыпрочее\*

\*кпрочемуотносятсявода,витаминыиминеральныевещества.

Определитеподиаграмме,сколькопримернограммовуглеводовсодержитсяв100гриса.

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Графикфункции

**8**

*y**kx*3проходитчерезточкускоординатами(15;4)

Найдите

коэффициент*k*.

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Решитеуравнение7*x*1328*x*7.

**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.*

Встуденческойстоловойготовяткотлеты,анагарнир—рис.Вкаждойпорции200гварёногориса.Хватитли5кгкрупыдлятого,чтобыприготовить 100порцийриса?

Запишитерешениеиответ.

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| Решение: | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Найдите значение выражения4*x*283*x*

**11**

при

*x*0,3.

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

**12**

*A*(2)

,*B*2,12и*C*2,18.

Ответ:

Наклетчатойбумагесразмеромклетки11

**13**

отмеченыточки*A*,

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

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



**14**

*Во вторник утром к открытию катка пришли первые посетители. Первый сеанс началсяв 11:00. Пришло 12 человек: две мамы с детьми и несколько школьников, которые учатсяво вторую смену. Второй сеанс посетило на 3 человека больше. На третьем сеансе было14человек.Начетвёртыйсеанспришлишкольники,укоторыхужезакончилисьуроки,инесколькодошкольниковсродителями,такчточислопосетителейувеличилосьна 5 человек. На пятом сеансе катающихся было в 1,5 раза больше, чем на третьемсеансе. На шестой сеанс пришли освободившиеся после занятий студенты колледжа.Число катающихся возросло до 25 человек. К началу седьмого сеанса на каток пришламолодёжь,работающаянапредприятиипососедству.Общеечислопосетителейувеличилосьна2человека.Восьмойсеансначалсяв20:00.Школьникиужесталирасходиться по домам, поэтому катающихся было на 4 человека меньше, чем во времяседьмогосеанса.*

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

Ответ: Числопосетителей



Сеанс

В10:00велосипедиствыехализпунктаАвпунктB.ДоехавдопунктаB,онсделалостановку на полчаса, а в 12:30 выехал обратно с прежней скоростью. В 14:00 ему оставалосьпроехать9кмдопунктаА.Найдитерасстояниемежду пунктамиАиB.

**15**

Запишитерешениеиответ.

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