Специализированное структурное образовательное подразделение Посольства России в Египте средняя общеобразовательная школа с углубленным изучением иностранного (английского) языка.

 **Семейная форма получения образования**

**Тест по математике 6 класс (2 полугодие)**

Фамилия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Имя\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**САЙТ**

**Часть А. Обведите кружком верный ответ.**

(За каждое верно выполненное задание – 1 балл)

**А1.** Вычислите 

1) –2 $\frac{1}{3}$; 2) $2\frac{1}{3}$; 3) 7; 4) -7; 5) другой ответ.

**А2.** Вычислите 

1) 59; 2) -59; 3) -21; 4) 21; 5) другой ответ.

**А3.** Вычислите 

1) -12,2; 2) 4,8; 3) 3,8; 4) -13,2; 5) другой ответ.

**А4.** Вычислите 

1) $\frac{2}{3}$; 2) – $\frac{2}{3}$; 3) 1$\frac{1}{2}$; 4) – $1\frac{1}{2}$; 5) другой ответ.

**А5.** Вычислите 

1) –1 $\frac{1}{4}$; 2) –1 $\frac{3}{28}$; 3) 1; 4) 1,25; 5) другой ответ.

**А6.** Вычислите 

1) – 2,5; 2) 2,5; 3) 12,9 4) -12,9; 5) другой ответ.

**А7.** Раскройте скобки и упростите выражение 5 –2∙(х - 1)

1) 7 – 2 x; 2) 3 – 2x; 3) 4 – 2x; 4) 6 – 2х; 5) другой ответ.

**А8.** Решите уравнение 

1) ; 2) ; 3) ; 4) ; 5) другой ответ.

**А 9.** Найдите неизвестный член пропорции: 3,6 : 8,1= х : 18

1) 8; 2) 40,5; 3) 16; 4) 1,6; 5) другой ответ.

**Часть В. Выполните задание и впишите полученный ответ.**

(За каждое верно выполненное задание – 2 балла)

**В1.** Окружность арены во всех цирках мира имеет длину 40,8 м.Найдите площадь арены.$\left(п≈3\right) $

Решение и ответ:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **В2.** Выполните действия (- 0,8 ∙ 1,2 + 1,06) : (- 0,5) - 3 . Запишите подробное решение. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**В3.** Для перевозки груза потребовалось 24 машины грузоподъемностью 7,5 т.Сколько нужно машин грузоподъемностью 4,5 т, чтобы перевезти тот же груз? Запишите подробное решение и ответ.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**В4.** Решите уравнение: 2(х – 3) = 3(4 – х) + 5 . Запишите подробное решение и ответ. Сделайте проверку. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**В5.** Постройте четырехугольник АВСD по координатам его вершин А(-8;6), В(6;5), С(1;-3),

D(-7;1).Найдите координаты точки пересечения отрезков АС и ВD. Запишите ответ.

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**Максимальное количество баллов -19.**

**Критерии оценок:**

 **«2» – менее 9 баллов;**

 **«3» – 10 - 14 баллов;**

 **«4» – 15 - 17 баллов;**

 **«5» – 18 - 19 баллов.**

**Ответы к тесту:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **А1** | **А2** | **А3** | **А4** | **А5** | **А6** | **А7** | **А8** | **А9** | **В1** | **В2** | **В3** | **В4** | **В5** |
| 4 | 4 | 3 | 4 | 4 | 2 | 1 | 2 | 1 | 138,72м2 | -2,8 | 40маш | 4,6 | (-4;2) |