***«ЭРУДИТ»*** *(математика)* ***4 класс***

1. Сейчас идёт 2024 год. Сумма цифр этого года равен 8. Какой следующий ближайший год будет иметь такую же сумму цифр?

**Ответ:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Мальвина выложила из карточек верный пример на сложение. Но Буратино поменял местами две карточки. Равенство нарушилось. Какие карточки поменял Буратино? Обведи эти карточки в кружок.

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1. На какое число надо умножить 37037, чтобы получить **222222** ?

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1. Разложите 100 орехов на 10 кучек так, чтобы в них было разное число орехов.

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1. Восстанови пример на умножение.

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1. Из города в деревню, расстояние между которыми 32 км, выехал велосипедист со скоростью 12 км/ч. Одновременно с ним из деревни в город вышел пешеход, скорость которого в 3 раза меньше скорости велосипедиста. Кто будет дальше от города через 2 ч: велосипедист или пешеход?

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1. В магазине было 6 баков ёмкостью 15, 16, 18, 19, 20 и 31 литр. Двое мужчин купили 5 баков: один из них – 2, а другой – 3. Причём оказалось, что ёмкости первых двух баков вдвое меньше ёмкости трёх баков.

Какой бак остался в магазине?

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1. Из куска проволоки согнули квадрат, площадь которого 36 см². Затем проволоку разогнули и сложили треугольник с равными сторонами. Какова длина стороны треугольника?

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1. Белка спрятала орехи в трёх дуплах деревьев. В дуплах первого и второго деревьев – 96 орехов; в дуплах второго и третьего деревьев – 156 орехов; в дуплах первого и третьего деревьев – 132 ореха. Сколько орехов спрятала белка в дупле каждого дерева?

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1. Возраст Олиного дедушки можно вычислить, если от наименьшего трёхзначного числа отнять половину, полученное число уменьшить на 3/10 и к полученному результату прибавить 55.

Определи возраст дедушки.

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1. Периметр квадратной шоколадки равен 32 см. Вася съел часть шоколадки так, что шоколадка осталась квадратной, но площадь шоколадки уменьшилась в 4 раза. Какова длина стороны оставшейся шоколадки?

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1. Если сторону квадрата, периметр которого 36 см, уменьшить в 3 раза, то получится ширина прямоугольника, периметр которого 22 см. Найдите длину этого прямоугольника и вычислите площадь.

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1. На пасеке было 7 полных, 7 наполовину наполненных мёдом и 7 пустых бочонков. Трое покупателей купили все бочонки и разделили их так, что каждому досталось одинаковое количество мёда и бочонков. Как они разделили между собой покупку?

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**Ответ:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Кролик даёт в год 400 г пуха. Для его содержания нужна клетка длиной 75 см и шириной 60 см. Какую площадь нужно отвести под клетки для кроликов, с которых за год получают 24 кг пуха?

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**Ответ:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_