

A vibrant, colorful illustration of various mathematical tools and concepts. At the top, there's a green cube, a blue number '2', and a purple number '3'. Below them, a yellow ruler is visible. On the left, a multi-colored abacus (算盘) is shown. In the center, a spiral-bound notebook is open, displaying a worksheet titled 'Үнэлгээ' (Evaluation) in red. The worksheet contains four math problems. The first problem asks to evaluate an expression, with labels 'Язгуур' (Addition), 'зэрэг' (Power), 'квадрат' (Square), and 'куб' (Cube) in red. Below these are the symbols $\sqrt{a}$ and a^2 . The second problem involves calculating $5 \times 5 = 5^2$ and $-9 \times (-9) = (-9)^2$, with empty boxes for the answers. The third problem asks to evaluate square roots: $\sqrt{121}$, $\sqrt{64}$, $-\sqrt{400}$, and $-\sqrt{144}$, with corresponding boxes for the answers. The fourth problem asks to evaluate the expression $(3 \times \sqrt{81} - 4 \times \sqrt{25}) + \sqrt{400}$. At the bottom of the notebook, the text 'Амжилт хүсье.' (Good luck!) is written in purple. The background of the entire image is decorated with various math-related items: a blue number '8', a pink star, a blue pencil, a yellow ruler, a green cube, a blue number '6', and a red number '1'.

Үнэлгээ

1. Тоог өөрийг нь өөрөөр нь үржүүлсэн үржвэрийг уг тооны зэрэг гээд гэж тэмдэглэнэ.

(Доорх сонголтуудаас зөвийг зөөж байрлуулна.)

Язгуур

зэрэг

квадрат

куб

$\sqrt{a}$

a^2

2. Дараах бүхэл тоонуудыг квадрат зэрэгт дэвшүүлээрэй.

$$5 \times 5 = 5^2 = \boxed{}$$

$$-9 \times (-9) = (-9)^2 = \boxed{}$$

3. Дараах бүхэл тоонуудын квадрат язгуурыг олж холбоно уу.

$$\sqrt{121} = \boxed{8}$$

$$\sqrt{64} = \boxed{-12}$$

$$-\sqrt{400} = \boxed{11}$$

$$-\sqrt{144} = \boxed{-20}$$

4. Илэрхийллийн утгыг олоорой.

$$(3 \times \sqrt{81} - 4 \times \sqrt{25}) + \sqrt{400} =$$

Амжилт хүсье.

LIVWORKSHEETS

- | | | | |
|--------|------------|---------|-----|
| Язгуур | зэрэг | квадрат | куб |
| | $\sqrt{a}$ | a^2 | |

- $$5 \times 5 = 5^2 = \boxed{}$$

$$-9 \times (-9) = (-9)^2 = \boxed{}$$

- $\sqrt{121} =$
- 8

$\sqrt{64} =$

$$-\sqrt{400} =$$

$$-\sqrt{144} = \boxed{-12}$$

- $$(3 \times \sqrt{81} - 4 \times \sqrt{25}) + \sqrt{400} =$$

Амжилт хүсье.