## MATEMATIKA FANIDA ARIFMETIK MASALALAR YECHISHNI O'RGATISH METODIKASI

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**Annotatsiya:**Arifmetik masalalarni yechish orqali qurilishni, xo'jalik va madaniyatni, mamlakatning qurilish madaniyati, qishloq xo'jal;igi, ishlab chiqarish soxasidagi yutuqlar bilan tanishib boradilar.

**Kalit so'z:**arifmetika, masala, murakkab masala, sodda masala

Arifmetik masalalarni 2 turga bo'lish mumkin.
a) Bitta arifmetik amallar bilan yechiladigan sodda masalalar;
b) Ikkita va undan ortiq amallar bilan yechilkadigan murakkab masalalar.

Turli xildagi sodda masalalarni yechish jarayonida o'quyvchilar arifmetik amallarning ma`nosini tushiniob, qaysi xolda qaysi amalni qo'llash mumkinligini bilib oladilar. Arifmetiuk amallarni qo'llashda murakkab masalalarni yechishga asta sekin o'tib boriladi. Arifmetik masalalarni yechish orqali qurilishni, xo'jalik va madaniyatni,mamlakatning qurilish madaniyati, qishloq xo'jal;igi, ishlab chiqarish soxasidagi yutuqlar bilan tanishib boradilar. Masalalar yechish orqali o'quvchilar yozma va og'zaki xisoblash qobiliyatini, mujrakkab masalalrni yechish orqali esa sonli form,ulalarni o'zlashtirish qobilyatini rivojlantiradi. Arifmetik masalalarni yechishda arifmetik amallarni xossa va qonuniyatlaridan foydalaniladi. Masala yechjish ketma – ketligida quydagilarni amalga oshirish lozim:

- Masalani tanlashni o'rganish va'ni mustaqil o'qiy olish.
- Masalani dastlabki taxlil qilish, ma'lumni nomalumdan ajratish, berilgan bilan izlanayotganlar orasida bog'lanish o'rnatish.

Masalani qisqa yozish masalasi. Sodda masalalarni yechishda amal tanlashni asoslab berish va murakkab masala taxlilini amalga oshirish so'ngra yechish rejasini tuzish.
1.**Masalani dastlabki analiz qilish (ma'lumni noma'lumdan ajarataolish malakasi).**
Ma'lumni noma'lum-dan, muhimni nomuhimdan ajratish, masalada berilganlar bilan izlanayotganlar orasidagi bog'lanishni ochish - bu eng muhim malakalardan biri. Bunday malakaga ega bo'lmay turib, masalalarni mustaqil yechishga o'rganib bo'lmaydi.
**2. Masalani qisqa yozish malakasi**. Masala matni ustidaog'zaki ishlagandan keyin uning mazmunini matematik atamalar tiliga o'tkazish va qisqa yozuv shaklidagi matematik strukturasini belgilash kerak (rasmlar, chizmalar, sxemalar, jadvallar).
**3. Qisqa yozuv bo'yicha har bir son nimani ko'rsatishini tushuntirish va masala savolini takrorlash.** Shuni nazarda tutish kerakki, barcha hollarda ham qisqa yozuvni bajarish bilan bir vaqtda masala shartining tahlii ham amalgaoshiriladi. Aslini aytganda, qisqa yozuvning vazifasi shundan iborat. Haqiqatan ham masala shartining qisqa yozuvi o'quvchilar xotirasiga tayanch bo'lib, son ma'lumotlarni tushunish vaajratish imkonini beradi, shu bilan birga ularning ratsional yozilishi masalada nima berilgan va nimani izlash kerakligini bayoniy tushuntirish imkonini yaratadi.
**4.Sodda masalalarni yechishdaamal tanlashni asoslab berish va murakkab masala tahlilini amalgaoshirish, so'ngra yechish rejasini tuzish malakasi.** Oldin sodda masalani

yechishdaamal tanlash masalasini qarab chiqishga to'xtalamiz. Bu malaka birinchi sinfdan boshlab tarkib topa boshlaydi, ikkinchi va uchinchi o'quv yillarida yanada rivoj toptiriladi, ya'ni ba'zi tanish masalalarga nisbatan amal tanlash ishini bajarish asosi o'zgartiriladi. **5.Yechimni bajarish** uni o'qituvchi talabiga mos qilib rasmiylashtirish va masala savoliga javob berish malakasi. Sodda masalalardan boshlaymiz. Soddamasalani arifmetik usul bilan ham, algebraik usul bilan ham yechish mumkin. Bu o'rinda masalalarni arifmetik usul bilan yechish haqidagina so'z boradi, masalani algebraik usulda yechish keyinroq alohida qaraladi.

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