



Writing expressions for real situations

GRADE 6 MATH

Name _____

Date _____

Do this on your own — the worked example shows what to do. Say what your letter stands for; final answers in the boxes. One skill: **writing expressions**.

WORKED EXAMPLE

Ask: **what happens once** (its own term) and **what repeats** (multiplies the variable). '\$40 plus \$3 a month' → $40 + 3m$. And '11 less than n ' is $n - 11$, not $11 - n$.

1. A pen costs \$6. Write an expression for t pens, then find the cost of 7 pens.

FLUENCY

Show your thinking

Answer

2. Write an expression for **22 more than a number n** , then evaluate it at $n = 9$.

FLUENCY

Show your thinking

Answer

3. Write an expression for **11 less than a number n** , then evaluate it at $n = 30$.

FLUENCY

Show your thinking

Answer

4. A service charges \$40 to start plus \$3 per month. Write an expression for m months, then find the cost of 6 months.

APPLICATION

Show your thinking

Answer

5. A printer costs \$12 plus \$5 per pack of paper. Write an expression for p packs, then find the cost of 8 packs.

APPLICATION

Show your thinking

Answer

6. A bag holds 50 marbles. 6 are removed each day. Write an expression for the number left after w days, then find the number after 7 days.

APPLICATION

Show your thinking

Answer

7. Write an expression for s stickers shared equally among 4 friends, then find each share when $s = 36$.

REASONING

Show your thinking

Answer

8. A camp charges \$14 to register plus \$9 per day. Marco writes $23d$. Explain his error, write the correct expression, and find the cost of 3 days.

REASONING

Show your thinking

Answer