LESSON MAKER PRO

Math in Motion

Use numbers to make everyday decisions.

GRADE 6 · TEKS 6.1.A

6.1.A "apply mathematics to problems arising in everyday life, society, and the workplace;"

NAME _____ DATE _____

CHOOSE THE OPERATION

Read each situation and name what the numbers mean. Decide whether the situation needs multiplying, dividing, adding, or subtracting, then keep units in your work. Ask whether your answer makes sense for the situation.

WORKED EXAMPLE

A library buys 9 notebooks at $1.30 each. What is the total cost?

1. Multiply the number of notebooks by the cost of each notebook.
2. 9 x 1.30 = 11.70
3. The unit is dollars, so write the amount as money.

Answer: $11.70

PRACTICE 6 problems

1 Twelve markers cost $3.60 altogether. What is the cost of one marker?

ANSWER _____

2 A recipe uses 2/3 cup of rice for one batch. How many cups of rice are needed for 3 batches?

ANSWER _____

3 You read 18 pages at a rate of 6 pages each day. How many days does it take to read all the pages?

ANSWER _____

4 A walking route is 2.2 kilometers long. You walk the route on 4 days. How far do you walk altogether?

ANSWER _____

5 A game costs $40 and is on sale for 10% off. How much is the discount?

ANSWER _____

6 Twenty-eight cards are shared equally among 4 players. How many cards does each player receive?

ANSWER _____

APPLY IT Show your work

1 Jordan's gaming club sells 16 custom stickers for $1.25 each. The club spends $6.50 on supplies. How much profit does the club make?

WORK SPACE

ANSWER _____

2 At a school event, Aisha has $24. She buys a game pass for $8.75 and a snack for $3.50. How much money does she have left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

At a movie night, Pack A has 6 snack bars for $4.20. Pack B has 8 snack bars for $6.40. You have $13 and may buy only whole packs. Which combination gives you the most snack bars without going over budget? Explain your reasoning.

WORK SPACE AND ANSWER

ANSWER KEY # Math in Motion

GRADE 6 · TEKS 6.1.A

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Twelve markers cost $3.60 altogether. What is the cost of one marker?	**$0.30**
2	A recipe uses 2/3 cup of rice for one batch. How many cups of rice are needed for 3 batches?	**2 cups**
3	You read 18 pages at a rate of 6 pages each day. How many days does it take to read all the pages?	**3 days**
4	A walking route is 2.2 kilometers long. You walk the route on 4 days. How far do you walk altogether?	**8.8 kilometers**
5	A game costs $40 and is on sale for 10% off. How much is the discount?	**$4**
6	Twenty-eight cards are shared equally among 4 players. How many cards does each player receive?	**7 cards**

PART 2 · APPLY IT

1. **$13.50 profit** Revenue is 16 x $1.25 = $20. Subtract $6.50 in supplies: $20 - $6.50 = $13.50.
2. **$11.75** First add the costs: $8.75 + $3.50 = $12.25. Then subtract from $24: $24 - $12.25 = $11.75.

CHALLENGE

3 Pack A, 18 snack bars for $12.60. This gives more snack bars than 2 Pack B, which costs $12.80 and gives 16 snack bars.

Accept equivalent money notation, such as 30 cents for $0.30, when the value and unit are correct. For the challenge, accept any clear comparison showing that 3 Pack A is the best affordable choice.