



GRADE 3 MATH: COOKIE DOUGH

STUDENT WORK

Third Grade: Cookie Dough Student Work

Cookie Dough

This problem gives you the chance to:
-choose and use number operations in context



Clear Creek School is fundraising. They are selling Cookie Dough in tubs.

Chocolate Chip Cookie Dough \$5 a tub	Peanut Butter Cookie Dough \$4 a tub	Oatmeal Cookie Dough \$3 a tub
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1. Jill sold 2 tubs of Oatmeal Cookie Dough. How much did she raise?

$$3 \times 2 = 6 \qquad \$6.00$$

2. Joe sold 4 tubs of Peanut Butter Cookie Dough and 4 tubs of Chocolate Chip Cookie Dough. How much money did he raise in all? Show how you figured it out.

$$4 \times 4 = \$16 \qquad 20 \qquad \$36.00$$

$$4 \times 5 = 20 \qquad + 16$$

$$\qquad \qquad \qquad \underline{36}$$

3. Jade sold only Peanut Butter Cookie Dough. She raised \$32. How many tubs did she sell? Show how you figured it out.

$$4, 6, 12, 16, 20, 24, 28, 32 \qquad \underline{8} \text{ tubs}$$

1 2 3 4 5 6 7 8

4. Jermaine's mother loves oatmeal cookies. She has \$20. to spend. What is the greatest number of tubs of Oatmeal Cookie Dough she can buy?

$$3, 6, 9, 12, 15, 18, \qquad \underline{6} \text{ tubs}$$

1 2 3 4 5 6

Explain how you figured it out.

I skipped counted by 3's when I got to 18 I was going to skip more but it would be 21 dollars

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1. Jill sold 2 tubs of Oatmeal Cookie Dough. How much did she raise?

1 oatmeal = \$3 × 2 = \$6 \$ 6

2. Joe sold 4 tubs of Peanut Butter Cookie Dough and 4 tubs of Chocolate Chip Cookie Dough. How much money did he raise in all? Show how you figured it out.

\$ 36

$$\begin{array}{r}
 \$16 \\
 + \$20 \\
 \hline
 \$36
 \end{array}$$

- This is my work of how I figured it out.

3. Jade sold only Peanut Butter Cookie Dough. She raised \$32. How many tubs did she sell? Show how you figured it out.

$\frac{32}{4} \times 4 = 32$ or another way... $\frac{32}{8} = 8$ tubs
 $32 \div 4 = 8$ tubs

4. Jermaine's mother loves oatmeal cookies. She has \$20. to spend. What is the greatest number of tubs of Oatmeal Cookie Dough she can buy?

6 tubs

Explain how you figured it out.

First, I thought in my mind hmmm... how many times can 3 go into 20? Then I counted 3, 6, 9, 12, 15, 18, But then I noticed 21 was too much to spend. Then I looked how many numbers did I write when counting by 3's? Then I counted 3=1 6=2 9=3 12=4 15=5 18=6. I can't go on anymore because than it'll be too much money, so the answer is six tubs.

I erased 21 because it was too much.

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1. Jill sold 2 tubs of Oatmeal Cookie Dough. How much did she raise?
\$ 6

2. Joe sold 4 tubs of Peanut Butter Cookie Dough and 4 tubs of Chocolate Chip Cookie Dough. How much money did he raise in all? Show how you figured it out.

$P = 16 \quad C = 25$

\$ 31

$$\begin{array}{r} 16 \\ + 25 \\ \hline 31 \end{array}$$

3. Jade sold only Peanut Butter Cookie Dough. She raised \$32. How many tubs did she sell? Show how you figured it out.

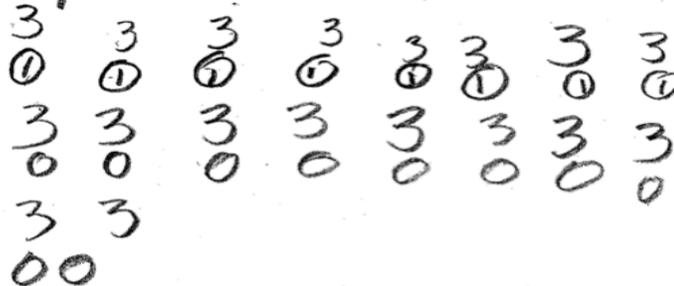
8 tubs

4. Jermaine's mother loves oatmeal cookies. She has \$20. to spend. What is the greatest number of tubs of Oatmeal Cookie Dough she can buy?

18 tubs

Explain how you figured it out.

I made a chart and
 $3 \times 6 = 18$ and $3 \times 7 = 21$
it was 18



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1. Jill sold 2 tubs of Oatmeal Cookie Dough. How much did she raise?

\$ 6

2. Joe sold 4 tubs of Peanut Butter Cookie Dough and 4 tubs of Chocolate Chip Cookie Dough. How much money did he raise in all? Show how you figured it out.

\$ 34

3. Jade sold only Peanut Butter Cookie Dough. She raised \$32. How many tubs did she sell? Show how you figured it out.

$$\begin{array}{r} 32 \\ -4 \\ \hline 8 \end{array}$$

8 tubs

4. Jermaine's mother loves oatmeal cookies. She has \$20. to spend. What is the greatest number of tubs of Oatmeal Cookie Dough she can buy?

6 tubs

Explain how you figured it out.

I got the answer by counting by threes.

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1. Jill sold 2 tubs of Oatmeal Cookie Dough. How much did she raise?

\$ 6.00

2. Joe sold 4 tubs of Peanut Butter Cookie Dough and 4 tubs of Chocolate Chip Cookie Dough. How much money did he raise in all? Show how you figured it out.

\$ 36.00

$$\begin{array}{r}
 20 \\
 + 16 \\
 \hline
 \$36.00
 \end{array}$$

3. Jade sold only Peanut Butter Cookie Dough. She raised \$32. How many tubs did she sell? Show how you figured it out.

8 tubs

$$\begin{array}{r}
 32 \\
 \times 3 \\
 \hline
 96
 \end{array}$$

4. Jermaine's mother loves oatmeal cookies. She has \$20. to spend. What is the greatest number of tubs of Oatmeal Cookie Dough she can buy?

5 tubs

Explain how you figured it out.

Because $5 \times 4 = 20$

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1. Jill sold 2 tubs of Oatmeal Cookie Dough. How much did she raise?

\$6.00

$$2 \times \$3.00 = \$6.00$$

2. Joe sold 4 tubs of Peanut Butter Cookie Dough and 4 tubs of Chocolate Chip Cookie Dough. How much money did he raise in all? Show how you figured it out.

\$41.00

$$4 + 4 + 4 + 4 = 16$$

$$16 + 5 + 5 + 5 + 5 = 25$$

$$16 + 25 = 41$$

3. Jade sold only Peanut Butter Cookie Dough. She raised \$32. How many tubs did she sell? Show how you figured it out.

8 tubs

Level 1

4. Jermaine's mother loves oatmeal cookies. She has \$20. to spend. What is the greatest number of tubs of Oatmeal Cookie Dough she can buy?

7 tubs

Explain how you figured it out.

$$4 + 4 = 8 + 8 = 16 + 4 = 20$$
