

## NYC DOE Grade 3 Math: Cookie Dough – Student Work Samples

This document includes the performance task and six student work samples, with varying levels of performance, which we will use to demonstrate the Student Work Protocol. Student identification and grading information has been redacted for this exercise. The performance task, *Cookie Dough*, is the centerpiece and serves as the summative assessment for the NYCDOE Grade 3 unit of the same name. You can find the performance task in the first few pages of both this and the unit documents. In addition to this student work sample document you may also want to look through the full Grade 3 unit and a copy of the Student Work Protocol. Please follow the specific instructions below for how you would use these documents to prepare for a review session:

- Scan the entire unit and then work through the centerpiece task so that you can begin participation in the session with a clear understanding of the structure and organization of the unit, the requirements (skills and knowledge) of the task, and how the task fits into the overall unit.
- Work through the performance task, Cookie Dough, keeping in mind all the
  possible strategies a grade-level student might use to answer the
  questions.
- Print the <u>Student Work Protocol form</u> so that you can use it during the webinar to record your observations and suggestions.

NOTE: All EQuIP documents are available on Achieve.org/EQuIP website.

## Cookie Dough

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



Cookie Dough \$5 a tub	Cookie Dough \$4 a tub	Dough \$3 a tub
•	Datmeal Cookie Dough.	
How much did she	e raise?	\$
Chip Cookie Doug		ugh and 4 tubs of Chocolate
Show how you fig	ured it out.	

Chocolate Chip Peanut Butter Oatmeal Cookie

3. Jade sold only Peanut Butter Cookie Dough. She raised \$32.	
How many tubs did she sell? tubs	
Show how you figured it out.	
4. Jermaine's mother loves oatmeal cookies. She has \$20. to spend.	
MT	
What is the greatest number of tubs of Oatmeal Cookie Dough she can	
buy? tubs	
buy?	
buy?tubs	
buy?tubs	
buy?tubs	
buy?tubs	

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	Peanut Butter Cookie	Oatmeal Cookie
Dough	Dough	Dough
\$5 a tub	\$4 a tub	\$3 a tub

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

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

**B** 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?

3,6,9,12,15,18,

\_\_\_\_\_tubs

Explain how you figured it out.

I skipped counted by 35 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 x2=\$6

\$ 6

 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.

\$16

+ \$ 16 - This is my work

1 36 of how I figured
it out.

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

(3×4)=32

another way ..

32:4=8)+ubs

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 hommm. 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 taspend.

Then I looked how many numbers did I write when counting by 3's?

Then I counted 3=1 6=2 9=3

Then I counted 3=1 6=2 9=3

I erased

21 beaus any more because than itill be much it was too much money, so the answer is six tubs.

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			10 07
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	Dough	Dough	Dough
ï	\$5 a tub	\$4 a tub	\$3 a tub

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

\$\_6\_

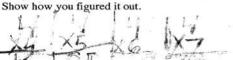
tubs

 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.

16 16

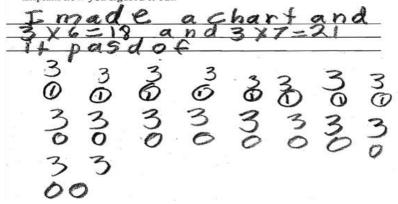
3. Jade sold only Peanur Butter Cookie Dough. She raised \$32. How many tubs did she sell?

Show how you figured it out.



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?

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			\$ <b>6</b>
	,		

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

Explain how you figured it out.

Thegat the answer by counting by threes.



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 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.

\$30.00

3. Jade sold only Peanut Butter Cookie Dough. She raised \$32. How many tubs did she sell?

Show how you figured it out.

3 4 96 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?

Explain how you figured it out.

Beucse 5x4=20



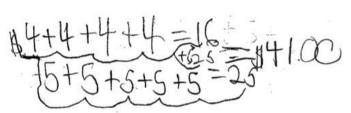
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\_\_\_& tubs

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tubs

Explain how you figured it out.

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