

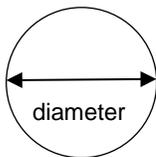


SCHOOL FAIR...

- a. Damian is making muffins to sell at the school fair. The recipe uses $\frac{3}{4}$ cup of milk which will make one batch of muffins. Damian has 6 cups of milk. How many batches of muffins can Damian make?

Show all your working so we can understand your thinking.

- b. To raise money for the school, a Money Trail is organised. How much money could be raised by a 3 kilometre trail?



Coin	Diameter	Coin	Diameter
5 c	1.9 cm	50 c	3.2 cm
10 c	2.3 cm	\$1	2.5 cm
20 c	2.8 cm	\$2	2 cm

Explain your reasoning using as much mathematics as you can.

SCORING RUBRIC

SCHOOL FAIR ...		
TASK:	RESPONSE:	SCORE
a.	No response or incorrect with no working and/or explanation	0
	Incorrect but some evidence that problem understood, or correct (8 batches) with no explanation	1
	Correct (8 batches), with diagram and/or working to suggest additive thinking, eg, $\frac{3}{4} + \frac{3}{4} + \dots = 8$, or 1 batch is $\frac{3}{4}$, 2 batches is $1\frac{1}{2}$..., or counting how many $\frac{3}{4}$ in 6	2
	Correct (8 batches), evidence of multiplicative reasoning, eg, $6 \div \frac{3}{4}$ solved algorithmically, or ratio $4x \frac{3}{4} = 3$, $8x \frac{3}{4} = 6$ not necessarily in symbols	3
b.	Little or no response	0
	Some attempt, eg, works out amount raised	1
	Incorrect but with correct reasoning for coin chosen, eg, amount calculated for a metre but unable to complete working for 3km, or correct but no working/explanation	2
	Correct for coin chosen with explanation/working	3
	Correct, range of solutions specified, eg, from \$7,950 (5c) to \$300,000 (\$2)	4