

Multiply and Divide by 6

1a. Sam rolls a dice 6 times and it lands on 6 every time.



He says,



I got 30 altogether.

Do you agree with Sam? Explain your answer.



R

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1b. Ava rolls a dice 5 times and it lands on 6 every time.



She says,



I got 32 altogether.

Do you agree with Ava? Explain your answer.



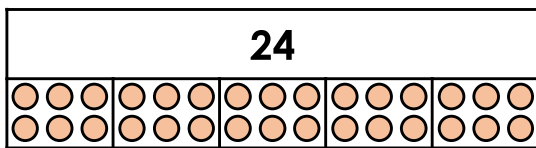
R

2a. Asha is trying to solve the calculation below.

$$24 \div 6$$



I think the answer is 5.



What has Asha done wrong?



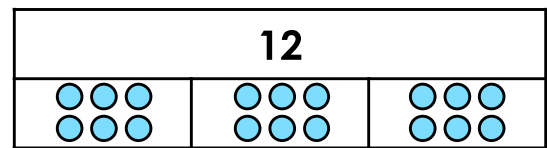
R

2b. Rex is trying to solve the calculation below.

$$12 \div 6$$



I think the answer is 3.



What has Rex done wrong?



R

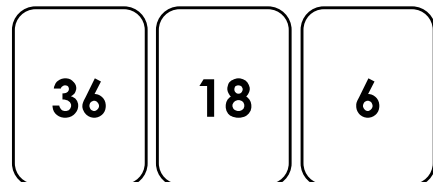
3a. Use any of the cards below to complete the bar model. You can use each card more than once.





PS

3b. Use any of the cards below to complete the bar model. You can use each card more than once.





PS

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4a. Ruby rolls a dice 3 times and it lands on 6 every time.

She says,



I got 24 altogether.

Do you agree with Ruby? Explain your answer.

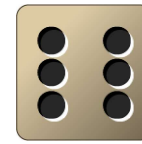


R

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4b. Ben rolls a dice 7 times and it lands on 6 every time.

He says,



I got 40 altogether.

Do you agree with Ben? Explain your answer.



R

5a. Max is trying to solve the calculation below.

$$42 \div 6$$



I think the answer is 6.

42					
6	6	6	6	6	6

What has Max done wrong? Draw a bar model to show your answer.



R

5b. Katie is trying to solve the calculation below.

$$18 \div 6$$



I think the answer is 5.

18					
5	5	5	5	5	5

What has Katie done wrong? Draw a bar model to show your answer.



R

6a. Use the cards below to create as many calculations as you can.

=	x	24	2
4	6	÷	12



PS

6b. Use the cards below to create as many calculations as you can.

=	x	36	2
3	6	÷	18



PS

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7a. Lucy rolls a dice 8 times and it lands on 6 every time.

She says,



I got 46 altogether.

Do you agree with Lucy? Explain your answer.



R

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7b. Jake rolls a dice 4 times and it lands on 6 every time.

He says,



I got 26 altogether.

Do you agree with Jake? Explain your answer.



R

8a. William is trying to solve the calculation below.

$$54 \div 6$$



I think the answer is 8.

What has William done wrong? Draw a visual representation to show your answer.



R

8b. Laura is trying to solve the calculation below.

$$6 \div 6$$



I think the answer is 0.

What has Laura done wrong? Draw a visual representation to show your answer.



R

9a. Use the cards below to create as many calculations as you can.

\div	66	=	60	54
9	72	6	x	11

Identify the cards that cannot be used.



PS

9b. Use the cards below to create as many calculations as you can.

=	12	66	\div	10
6	36	x	54	72

Identify the cards that cannot be used.



PS