Year 3 Reasoning and Problem Solving

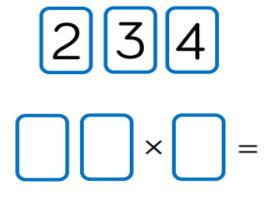1. How close can you get to 100?
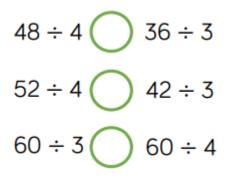Use each digit card once in the multiplication.

Hint: There are 4 possible combinations to calculate.

$$\boxed{2}\ \boxed{3}\ \boxed{4}$$

$$\boxed{}\,\boxed{} \times \boxed{} =$$

2. Repeat this calculation correctly and explain the mistake that has been made.

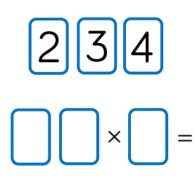| H	T	O
	2	7
×		3
6	2	1

3. Work out the answers to each calculation. Compare the statements using $<, >$ or $=$ (the less than, greater than or equal to symbol).

$48 \div 4\ \bigcirc\ 36 \div 3$

$52 \div 4\ \bigcirc\ 42 \div 3$

$60 \div 3\ \bigcirc\ 60 \div 4$

4. Sam is having a party and has worked out that each party bag will cost 45p to make. He has asked 6 friends to come. How much will it cost in total to make the party bags for his friends?

Answers

How close can you get to 100?
Use each digit card once in the multiplication.

$$2 \quad 3 \quad 4$$

$$\square\square \times \square =$$

You can get within 8 of 100

$23 \times 4 = 92$ this is the closest answer.

$24 \times 3 = 72$

$32 \times 4 = 128$

$34 \times 2 = 68$

They have not performed the exchange correctly.
6 tens and 2 tens should be added together to make 8 tens so the correct answer is 81

Explain the mistake.

H	T	O
	2	7
×		3
6	2	1

3. = < >

4. 270p or £2.70