

Name

Date



CHRISTMAS MATH CHALLENGE 3C

1) Captain Salamander is collecting Christmas trees to sell at the market.

- He collects 31 trees.
- He sells all his trees to 3 of his friends.
- Frazer buys 3 more trees than Sally.
- Sally buys 7 fewer trees than Flame.

How many do his friends each get?



2) Sally is counting her Christmas tree lights.

- She has between 500 and 1000 lights.
- The hundreds digit of this numbers is a multiple of 3.
- The total of all the digits is 10.

How many lights could Sally have?

See if you can find all 7 possibilities.





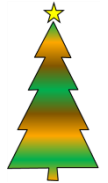
CHRISTMAS MATH CHALLENGE 3C

ANSWERS

1) Captain Salamander is collecting Christmas trees to sell at the market.

- He collects 31 trees.
- He sells all his trees to 3 of his friends.
- Frazer buys 3 more trees than Sally.
- Sally buys 7 fewer trees than Flame.

How many do his friends each get?



Frazer 10 trees; Sally 7 trees; Flame 14 trees.

2) Sally is counting her Christmas tree lights.

- She has between 500 and 1000 lights.
- The hundreds digit of this numbers is a multiple of 3.
- The total of all the digits is 10.

How many lights could Sally have?

See if you can find all 7 possibilities.



Sally could have these numbers of lights:

604, 613, 622, 631, 640, 901, 910.