

Quick Wits 10 - foundation

1*) Alisha is planning the prom. Any profit goes to charity. Her costs are:

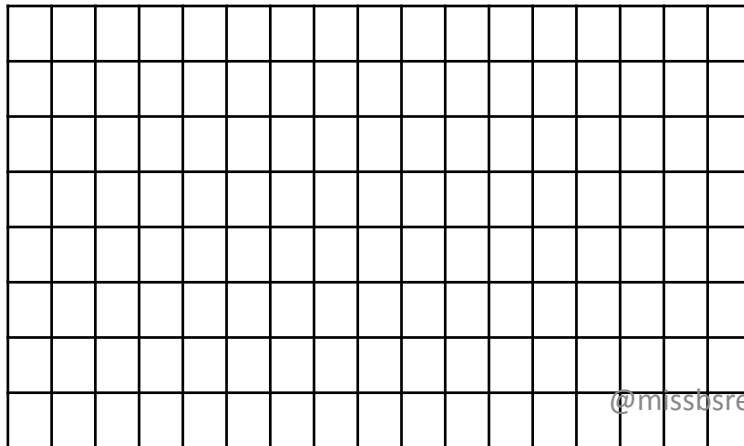
- Buffet £4 per person
- Hiring a band £160
- Other costs £75

Alisha charges £7 a ticket and sells 150 tickets. How much profit does Alisha make?

2) Mr walker conducts a survey of how people get to school. Complete the frequency table and draw a relevant graph to represent this information.

Mode of Transport	Tally	Frequency
Bus	### III	
Walk	### II	
Bike	III	

What is the problem with Mr Walkers survey?



3) Simplify the following

a) $3 \times 2y$

b) $a + a + a + a - a + a$

c) $3a + 5b - 2a + b$

4) Expand the following

a) $7(a + 5)$

b) $6b(b - 3)$

c) $3(c - 4) + 8c(c + 4)$

5*) ABC and ACD are both right angled triangles.

a) Explain why the length of AC is 10cm.

a) Calculate the length of AD

