

IO2: MODULE 5

ACTIVITY SHEET M5.4

How might families feel about checking their level of maths ?

These tests are useful for understanding **how parents might feel if** someone asks them to take a maths test.

Read the questions and then see how you feel.

- 1) On the last day of school, pupils were allowed to bring some snacks to share with each other. 5 pupils brought 3 apples each, 6 pupils brought 2 bananas each, and 3 pupils brought 4 nectarines each. How many pieces of fruit were there in total?
- 2) Pupils travelled to the Football Competition Final and returned to the school by bus. A one way journey was 160 kilometres long. Let 1 kilometre be equal to $\frac{5}{8}$ of a mile. How many miles did the bus travel that day with the pupils?
- 3) There are twenty-four pupils in a class. 50% of the class are girls. 25% of the girls have blue eyes. What fraction of the whole class are girls with blue eyes?¹

Do you feel **Happy?** **Sad ?** **Worried ?** **Excited ?** **Anxious?**

If you want to check your calculations the answers are over the page.

¹ SOURCE : <https://www.mathcentre.ac.uk/resources/uploaded/numeracy-professional-skills-test-1-questions.pdf>

Answers

1. Apples + Bananas + Nectarines = Fruit

$$(5 \times 3) + (6 \times 2) + (3 \times 4) = 39$$

2) 1 Km = $\frac{5}{8}$ mile - there are many different ways to calculate this problem
this is just one way

$$8 \text{ Km} = 5 \text{ miles (multiply both sides by 8)}$$

$$16 \text{ Km} = 10 \text{ Miles (multiply both sides by 2)}$$

$$160 \text{ Km} = 100 \text{ Miles (multiply both sides by 10)}$$

3) 24 pupils

$$50\% = \frac{50}{100} = \frac{1}{2} \text{ (a half)}$$

so 50% (half) of 24 = 12

$$25\% = \frac{25}{100} = \frac{1}{4} \text{ (a quarter) one in every four}$$

so 25% (a quarter) of 12 = 3 girls with blue eyes

$$\text{So 3 out of 24 pupils have blue eyes} = \frac{3}{24} = \frac{1}{8}$$

1 in every 8 students will be girls with blue eyes