# Y6 Comparing Percentages

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

## 1. Worked example

**Asha scored 18 out of 25 in a spelling test. Leo scored 70%. Who did better?**

Step 1 · Change Asha's score to a percentage: 25 × 4 = 100

18 × 4 = 72, so 72%

Step 2 · Compare 72% and 70%

72% > 70%

**Answer: Asha did better**

Check: Percentages compare scores out of different totals fairly ✓

## 2. Now try one with the steps

**A £30 jumper: is '20% off' or '£5 off' the better deal?**

Step 1 · 20% of £30

Step 2 · Compare £6 with £5

**Answer:**

## 3. Practice

Have a go at each one. There is space underneath to work it out.

1. Which is greater: 7/10 or 65%?

2. Which is greater: 0.42 or 45%?

3. Write 13/20 percentage.

4. Mia scored 21/25. Joe scored 82%. Who scored higher?

5. Which is more: 30% of £50, or 1/4 of £50?

6. 40 out of 50 children like apples. 36 out of 40 like bananas. Which fruit is liked by the greater percentage?

7. Which saves more on a £48 pair of trainers: 25% off or £10 off?

8. Team X won 14 of 20 matches. Team Y won 18 of 25. Which team won the greater percentage?

9. In a survey, 45% chose red and 3/10 chose blue. Everyone else chose green. What percentage chose green?

10. Order from smallest to largest: 2/5, 38%, 0.41

11. Shirt A costs £20 with 15% off. Shirt B costs £18. Which is cheaper, and by how much?

12. 60% of a class of 30 are girls. 45% of a class of 40 are girls. Which class has more girls?

13. Which is the better test result: 33 out of 50, or 64%? By how many percentage points?

14. Seeds: 17 of 20 grew in tray A, and 21 of 25 grew in tray B. Which tray had the better success rate?

**15.** Ravi says class B has more walkers than class A because 15 is more than 12. Why might a percentage be a fairer way to compare?

## 4. Before you hand it in

**Saying 15 walkers out of 30 is more than 12 out of 20.**
Change each to a percentage: 50% and 60%. Class A has the greater proportion.

**Thinking '20% off' always beats '£5 off'.**
It depends on the price. 20% of £20 is £4 (less than £5); 20% of £30 is £6.

**Saying 0.5 is less than 45% because 5 is less than 45.**
Convert to the same form first: 0.5 = 50%, which is more than 45%.