WORKSHEET

Fractions Adrian Tennant one stop clil

Activity 1

Match the fractions in the box to the diagrams. Be careful! There are five diagrams but seven fractions to choose from.





X



Activity 2

How do we work out fractions? Look at this simple explanation.

What is $\frac{2}{3}$ of 18?

- Start by dividing (÷) 18 by 3.
- So 3 into 18 = 6. So $\frac{1}{3}$ of 18 is 6.
- Now multiply (x) 6 by 2.
- 6 x 2 = 12.
- So $\frac{2}{3}$ of 18 = 12.

Now you try it with these sums.

1. $\frac{1}{2}$ of 14 = **2.** $\frac{3}{4}$ of 12 = **3.** $\frac{2}{5}$ of 25 = **4.** $\frac{5}{6}$ of 18 =**5.** $\frac{4}{7}$ of 21 =







TEACHER'S NOTES

Fractions Adrian Tennant



Level

Elementary/Pre-intermediate

Topic

Fractions

Subject(s)

Maths

Time (approx)

Activity 1: 10 – 15 minutes Activity 2: 10 – 15 minutes Activity 3: 10 – 15 minutes

Preparation

All activities: One photocopy for each student.

Activity 1

- **1** On the board draw a circle and divide it in half with a line down the middle and shade in one part.
- **2** Point to the circle and ask students if they can tell you how much of the circle is shaded. Elicit *half*.
- **3** Tell the students you will give them a worksheet with some pictures. They need to look at the pictures and decide what fraction is being shown. The fractions are in a box and they should match each fraction to the correct picture.
- 4 Hand out the worksheet.
- **5** Give students a few minutes to do the activity.
- 6 Monitor and help where necessary (but don't tell the students the answers).
- **7** Put the students in pairs and ask them to check their answers together.
- 8 Check the answers as a class.
- **9** Finally, ask the students to draw two pictures (pizza slices) to show the other two fractions (3/4 and 1/8).

Answers

- 1 3/5
- 2 1/4 3 7/10
- 3 7/10
- 4 1/2
- 5 2/3

Activity 2

- 1 Hand out the worksheet, but ask the students to cover up the bottom part where it says *Now you try it with these sums*.
- 2 Explain that you are going to work through the explanation on the worksheet.
- 3 Use the board and go through the example on the worksheet step-by-step. Make sure all the students follow either looking at their worksheet or at the board.
- 4 Now ask the students to try and do the five sums (a-e) on the worksheet. Remind them that if they get stuck they can look back at the example.
- **5** Monitor and help where necessary (but don't tell the students the answers).
- 6 Put the students in pairs and ask them to check their answers together.
- 7 Check the answers as a class.

Answers

- 17
- 29
- 3 10 4 15
- 5 12

Activity 3

- 1 Hand out the worksheets.
- **2** Ask the students to look at each situation and choose the correct answer.
- **3** Give students a few minutes to do the activity.
- 4 Monitor and help where necessary (but don't tell the students the answers).
- **5** Put the students in pairs and ask them to check their answers together.
- 6 Check the answers as a class.

Note: This activity tries to contextualise fractions by using a real-life situation that students will probably be familiar with.

Answers

ACROSS THE CURRICULUM

- 1 c) 2/3
- 2 a) 1/4
- 3 a) 1/3
- 4 c) 5/8
- 5 b) 21

Useful websites

Here is a selection of maths websites which deal with fractions. The first is the easiest with each one getting more complex in terms of the types of fractions it deals with.

http://www.bbc.co.uk/schools/ks3bitesize/ maths/number/fractions_1_intro.shtml

http://www.bbc.co.uk/schools/ks3bitesize/ maths/number/fractions_2_intro.shtml

http://www.bbc.co.uk/schools/gcsebitesize/ maths/number/fractionsrev1.shtml

http://www.mathsnet.net/fractions/index. html

http://www.bbc.co.uk/dna/h2g2/A583355