

# Yr 3 Fractions Unit 1 (3709)

## Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

### Day 1 Finding unit fractions Sheet 1

Working towards ARE

### Day 1 Finding unit fractions Sheet 2

Working at ARE / Greater Depth

### Day 2 Finding non-unit fractions Sheet 1

Working towards ARE / Working at ARE

Working towards ARE may draw bar models to help.

### Day 2 Finding non-unit fractions Sheet 2

Greater Depth

# Finding unit fractions

## Sheet 1

Solve the following using cubes or counters to help check your answers:

1.  $\frac{1}{2}$  of 8

2.  $\frac{1}{3}$  of 9

3.  $\frac{1}{3}$  of 15

4.  $\frac{1}{4}$  of 20

5.  $\frac{1}{2}$  of 18

6.  $\frac{1}{3}$  of 18

7.  $\frac{1}{5}$  of 15

8.  $\frac{1}{2}$  of 14

9.  $\frac{1}{3}$  of 21

10.  $\frac{1}{5}$  of 25

## Finding unit fractions

### Sheet 2

Solve the following:

1.  $\frac{1}{2}$  of 24

2.  $\frac{1}{4}$  of 24

3.  $\frac{1}{8}$  of 24

4.  $\frac{1}{2}$  of 40

5.  $\frac{1}{4}$  of 40

6.  $\frac{1}{5}$  of 40

7.  $\frac{1}{10}$  of 40

8.  $\frac{1}{3}$  of 18

9.  $\frac{1}{5}$  of 25

10.  $\frac{1}{4}$  of 28

11.  $\frac{1}{2}$  of 22

12.  $\frac{1}{3}$  of 27

#### Challenge

1.  $\frac{1}{2}$  of 80

2.  $\frac{1}{4}$  of 80

3.  $\frac{1}{8}$  of 80

4.  $\frac{1}{10}$  of 80

# Finding non-unit fractions

## Sheet 1

Solve the following:

1.  $\frac{1}{4}$  of 20 =

$\frac{3}{4}$  of 20 =

2.  $\frac{1}{3}$  of 18 =

$\frac{2}{3}$  of 18 =

3.  $\frac{1}{5}$  of 45 =

$\frac{3}{5}$  of 45 =

4.  $\frac{1}{8}$  of 24 =

$\frac{3}{8}$  of 24 =

5.  $\frac{1}{10}$  of 70 =

$\frac{6}{10}$  of 70 =

6.  $\frac{1}{4}$  of 28 =

$\frac{3}{4}$  of 28 =

7.  $\frac{1}{3}$  of 27 =

$\frac{2}{3}$  of 27 =

8.  $\frac{1}{5}$  of 35 =

$\frac{4}{5}$  of 35 =

### Challenge

1.  $\frac{5}{8}$  of 32 =

2.  $\frac{3}{10}$  of 50 =

## Finding non-unit fractions

### Sheet 2

Solve the following:

1.  $\frac{3}{4}$  of 20 =

6.  $\frac{3}{4}$  of 28 =

2.  $\frac{2}{3}$  of 18 =

7.  $\frac{2}{3}$  of 27 =

3.  $\frac{3}{5}$  of 45 =

8.  $\frac{4}{5}$  of 35 =

4.  $\frac{3}{8}$  of 24 =

9.  $\frac{5}{8}$  of 32 =

5.  $\frac{6}{10}$  of 70 =

10.  $\frac{3}{10}$  of 50 =

#### Challenge

Peter has  $\frac{3}{4}$  of £32. Alison has  $\frac{4}{5}$  of £30.

Who has the most money?

# Fractions

## Answers

### Day 1 Finding unit fractions Sheet 1

1.  $\frac{1}{2}$  of 8 is 4
2.  $\frac{1}{3}$  of 9 is 3
3.  $\frac{1}{3}$  of 15 is 5
4.  $\frac{1}{4}$  of 20 is 5
5.  $\frac{1}{2}$  of 18 is 9
6.  $\frac{1}{3}$  of 18 is 6
7.  $\frac{1}{5}$  of 15 is 3
8.  $\frac{1}{2}$  of 14 is 7
9.  $\frac{1}{3}$  of 21 is 7
10.  $\frac{1}{5}$  of 25 is 5

### Day 1 Finding unit fractions Sheet 2

1.  $\frac{1}{2}$  of 24 is 12
2.  $\frac{1}{4}$  of 24 is 6
3.  $\frac{1}{8}$  of 24 is 3
4.  $\frac{1}{2}$  of 40 is 20
5.  $\frac{1}{4}$  of 40 is 10
6.  $\frac{1}{5}$  of 40 is 8
7.  $\frac{1}{10}$  of 40 is 4
8.  $\frac{1}{3}$  of 18 is 6
9.  $\frac{1}{5}$  of 25 is 5
10.  $\frac{1}{4}$  of 28 is 7
11.  $\frac{1}{2}$  of 22 is 11
12.  $\frac{1}{3}$  of 27 is 9

#### Challenge

1.  $\frac{1}{2}$  of 80 = 40
2.  $\frac{1}{4}$  of 80 = 20
3.  $\frac{1}{8}$  of 80 = 10
4.  $\frac{1}{10}$  of 80 = 8

### Day 2 Finding non-unit fractions Sheet 1

1.  $\frac{1}{4}$  of 20 = 5      $\frac{3}{4}$  of 20 = 15
2.  $\frac{1}{3}$  of 18 = 6      $\frac{2}{3}$  of 18 = 12
3.  $\frac{1}{5}$  of 45 = 9      $\frac{3}{5}$  of 45 = 27
4.  $\frac{1}{8}$  of 24 = 3      $\frac{3}{8}$  of 24 = 9
5.  $\frac{1}{10}$  of 70 = 7      $\frac{6}{10}$  of 70 = 42
6.  $\frac{1}{4}$  of 28 = 7      $\frac{3}{4}$  of 28 = 21
7.  $\frac{1}{3}$  of 27 = 9      $\frac{2}{3}$  of 27 = 18
8.  $\frac{1}{5}$  of 35 = 7      $\frac{4}{5}$  of 35 = 28

#### Challenge

1.  $\frac{5}{8}$  of 32 = 20
2.  $\frac{3}{10}$  of 50 = 15

### Day 2 Finding non-unit fractions Sheet 2

1.  $\frac{3}{4}$  of 20 = 15
2.  $\frac{2}{3}$  of 18 = 12
3.  $\frac{3}{5}$  of 45 = 27
4.  $\frac{3}{8}$  of 24 = 9
5.  $\frac{6}{10}$  of 70 = 42
6.  $\frac{3}{4}$  of 28 = 21
7.  $\frac{2}{3}$  of 27 = 18
8.  $\frac{4}{5}$  of 35 = 28
9.  $\frac{5}{8}$  of 32 = 20
10.  $\frac{3}{10}$  of 50 = 15

#### Challenge

Peter has  $\frac{3}{4}$  of £32 which is £24.  
Alison has  $\frac{4}{5}$  of £30 which is £24.  
They both have the same amount of money.