Fractions and percentages

1 Find the matching pairs of fractions and percentages.

$\frac{1}{4}$ 1% $\frac{1}{2}$ 10% $\frac{1}{5}$ 20% $\frac{3}{4}$

75% $\frac{1}{100}$ 25% $\frac{1}{10}$ 50% $\frac{1}{8}$ 12·5%
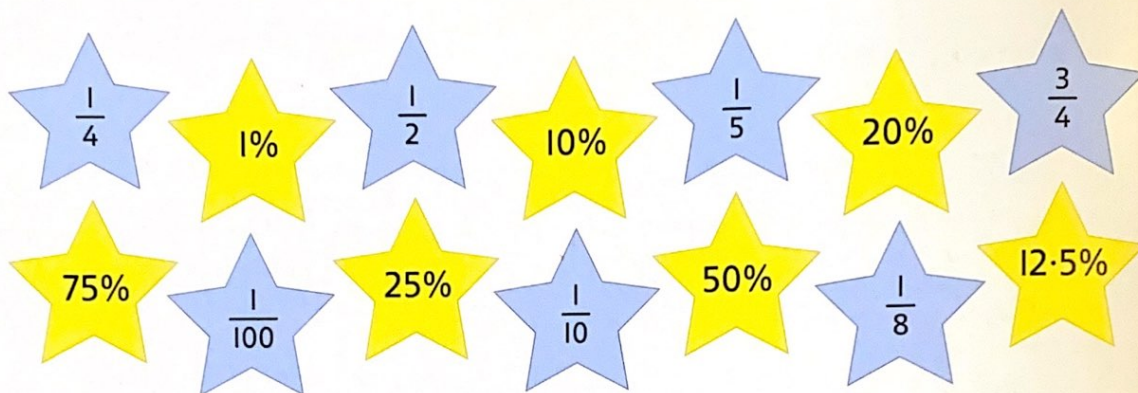
Find 10% of each of these numbers. Use your answer for each to find 20%, 15% and 40% of the same numbers.

2 360

4 250

3 420

5 680

Find 50% of each of these numbers. Use your answer for each to find 25% and 75%.

6 480

8 280

7 520

9 720

THINK How could we find 67% of 300? Work this out with a partner. Compare this to $\frac{2}{3}$ of 300.

I am confident with finding equivalent fractions and percentages.

Fraction	$\frac{1}{2}$		$\frac{1}{10}$	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{3}{10}$			$\frac{4}{5}$		$\frac{3}{4}$	$\frac{1}{8}$
Percentage	50%	25%					70%	1%		60%		

Below are the populations of some villages and the percentage of people who want a wind farm to be built. Write how many people in each village want a wind farm.

2. Banners Gate
Population: 1800
31% say yes

3. Boldmere
Population: 1400
21% say yes

4. Aldridge
Population: 1200
26% say yes

5. Four Oaks
Population: 800
52% say yes

6. Wylde Green
Population: 700
29% say yes

7. New Oscott
Population: 1100
43% say yes

8. Streetly
Population: 900
38% say yes

9. Minworth
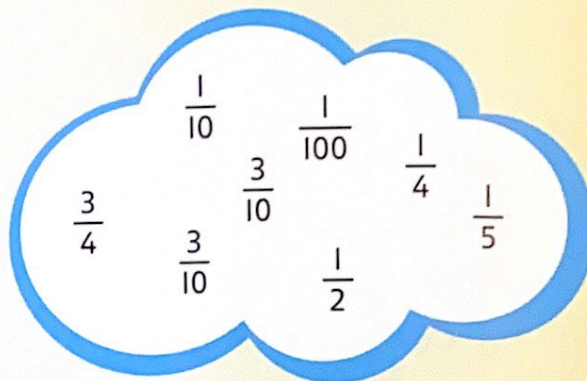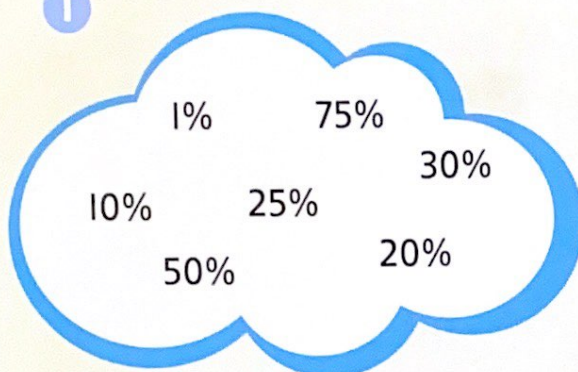Population: 600
46% say yes

THINK The newspaper says that 67% of people in a village want the wind farm. In fact, $\frac{2}{3}$ of people want it. What is the difference between these numbers if there are 3000 people in the village?

I am confident with finding equivalent fractions and percentages.

Match the fractions and percentages.

1

Cloud 1: 1% 75% 30% 10% 25% 20% 50%

Cloud 2: $\frac{1}{10}$ $\frac{1}{100}$ $\frac{1}{4}$ $\frac{3}{10}$ $\frac{3}{4}$ $\frac{3}{10}$ $\frac{1}{5}$ $\frac{1}{2}$

Work out the percentages of these amounts of money.

2 10% of £24   20% of £24   55% of £24

3 10% of £36   20% of £36   5% of £36

4 10% of £50   1% of £50   11% of £50

5 10% of £42   1% of £42   11% of £42

6 50% of £84   25% of £84   75% of £84

7 50% of £72   25% of £72   75% of £72

THINK If 1% of the total money in Sam's piggybank is £3·50, how much has he saved?

I am confident with finding equivalent fractions and percentages.