

Date:

Name

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## **Expressing One Number as a Fraction of Another Number Worksheet**

**(Core)**

**Questions (show all working)**

1) Write 3 as a fraction of 12. Give the fraction in its simplest form.

2) Write 8 as a fraction of 16 . Give the fraction in its simplest form.

3) Write 7 as a fraction of 14 . Give the fraction in its simplest form.

4) Write 8 as a fraction of 20 . Give the fraction in its simplest form.

5) Happy Jason got 20 marks in his test. The test was out of a total of 50 marks. In its simplest form, what was Happy Jason's score as a fraction?

6) On the far and distant planet of Daunce there are 60 males and 90 females. In its simplest form, what is the male population of Daunce expressed as a fraction?

7) A tiny mouse has managed to collect 36 seeds from a pot which originally contained a total of 45 seeds. Expressed as a fraction in its simplest form, how many seeds did the mouse collect?

8) An enthusiastic reader of historical fiction novels, Shanzine read 80 pages during Friday morning before school, and 200 pages in total for that day. Expressed as a fraction in its simplest form, how many pages did Shanzine read in the morning out of the total number of pages read during the entire day?

## Answers

[1]  $\frac{1}{4}$  (fully simplified from  $\frac{3}{12}$ )

[2]  $\frac{1}{2}$  (fully simplified from  $\frac{8}{16}$ )

[3]  $\frac{1}{2}$  (fully simplified from  $\frac{7}{14}$ )

[4]  $\frac{2}{5}$  (fully simplified from  $\frac{8}{20}$ )

[5]  $\frac{2}{5}$  (fully simplified from  $\frac{20}{50}$ )

[6]  $\frac{2}{5}$  (fully simplified from  $\frac{60}{150}$ )

[7]  $\frac{4}{5}$  (fully simplified from  $\frac{36}{45}$ )

[8]  $\frac{2}{5}$  (fully simplified from  $\frac{80}{200}$ )