To convert fractions and percentages - Questions

1. a. Complete the table. Remember to show what fraction has helped you to find the correct answer.

Fraction	Percentage
$\frac{1}{5}$	
	70%
$\frac{8}{20}$	
	95%
$\frac{14}{100}$	

b. Fill in the missing numbers:

$\frac{15}{100} = \quad \%$

$\frac{}{10} = 90\%$

$\frac{24}{\quad} = 12\%$

$\frac{15}{50} = \quad \%$

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2. a. Tom says, "I got 40% correct in my spelling test so that means that I got more than Gary." Gary got $\frac{3}{5}$ on his test. Is Tom correct? Show how you know.

b. Put these quantities in ascending order: $\frac{1}{4}$ 5% $\frac{1}{5}$ 40%

c. Ryan eats $\frac{1}{10}$ of a pizza. Elle eats 35% of the pizza. What percentage of the pizza is left over?

Three children take part in a Spelling Bee competition.

Tina spells 75% of the words correctly. Leanne spells $\frac{3}{5}$ of them correctly. Sam spells 65% of them correctly.

d. Who spells the most words correctly?

e. Who spells the least words correctly?

f. What percentage more words does Sam spell correctly than Leanne?

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3. Sort these statements into true and false. For the statements that are false, can you correct them?

a. If you colour half of a hundred square in, you have coloured $\frac{1}{2}$%.

b. 25% is the same as a quarter.

c. $\frac{40}{100}$ = 40%

d. $\frac{9}{10}$ = 9%

e. A percentage is an amount out of 100.

To convert fractions and percentages - Answers

Question No.	Question	Answer
1	a. Complete the table. Remember to show what fraction has helped you to find the correct answer. b. Fill in the missing numbers: $\frac{15}{100} = ?\%$ $\frac{?}{10} = 90\%$ $\frac{24}{?} = 12\%$ $\frac{15}{50} = ?\%$	a. $\frac{1}{5} = 20\%$ $\frac{7}{10}$ or $\frac{10}{100} = 70\%$ $\frac{8}{20} = 40\%$ $\frac{95}{100} = 95\%$ $\frac{14}{100} = 14\%$ b. $\frac{15}{100} = 15\%$ $\frac{9}{10} = 90\%$ $\frac{24}{200} = 12\%$ $\frac{15}{50} = 30\%$
2	a. Is Tom correct? Show how you know. b. Put these quantities in ascending order: ¼ 5% ⅕ 40% c. What percentage of the pizza is left over? d. Who spells the most words correctly? e. Who spells the least words correctly? f. What percentage more words does Sam spell correctly than Leanne?	a. He is incorrect. $\frac{3}{5} = \frac{60}{100} = 60\%$ and 60% is more than 40%. b. 5%, ⅕, ¼, 40% c. 55% is left d. Tina e. Leanne f. 5%
3	True or false a. If you colour half of a hundred square in, you have coloured ½ %. b. 25% is the same as a quarter. c. $\frac{4}{100} = 40\%$ d. $\frac{9}{10} = 9\%$ e. A percentage is an amount out of 100.	a. False: half of a hundred square would be $\frac{50}{100}$ which = 50% b. True c. True d. False. Percent means out of 100 so $\frac{9}{10} = \frac{90}{100} = 90\%$ e. True

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