

Assess	Have students solve task 15, Textbook p. 67. This is similar to task 14, except that the whole is 20 parts, since the denominator of the divisor is 20.	$\frac{9}{10} \div \frac{1}{20} = \frac{9}{10} \times \frac{20}{1} = 18$
Discuss division of a mixed number by a fraction	This section extends division to dividing mixed numbers by a fraction. Discuss task 16, Textbook p. 68. Using the bar model in the textbook, 1 unit represents 1 m. Since we require $\frac{1}{2}$ -m pieces, we divide each unit into halves. From the bar model, we can see that the string is made up of 7 units.	1 whole \rightarrow 2 halves $3\frac{1}{2}$ wholes $\rightarrow 3\frac{1}{2} \times 2$ halves Therefore, $3\frac{1}{2} \div \frac{1}{2} = 3\frac{1}{2} \times 2$ $= \frac{7}{2} \times 2 = 7.$
Discuss division of a mixed number by a non-unit fraction	This section extends from the previous one to include division of a mixed number by a non-unit fraction. Discuss task 17, Textbook p. 68. Use the first bar model in the textbook to explain to students that 1 unit represents 1 kg. Hence, $2\frac{1}{2}$ units represent $2\frac{1}{2}$ kg. Since we need to divide the flour into $\frac{5}{12}$ kg packets, we can divide each unit (1 kg) into 12 parts. This gives us the second model, with a total of 30 smaller units, with each small unit representing $\frac{1}{12}$ kg. Using ideas developed in the previous two tasks (tasks 15-16), it can be seen that $2\frac{1}{2}$ kg is made up of 30 twelfths. Students can then reason how many groups of 5 twelfths there are in $2\frac{1}{2}$ kg. Alternatively, challenge students to see that there are $2\frac{2}{5}$ of $\frac{5}{12}$ -kg in 1 kg. Thus, there are $2\frac{1}{2} \times 2\frac{2}{5}$ of $\frac{5}{12}$ -kg in $2\frac{1}{2}$ kg.	1 whole \rightarrow 12 twelfths $2\frac{1}{2} \rightarrow 30$ twelfths 30 twelfths = 6 5-twelfths 1 kg $\rightarrow 2\frac{2}{5}$ of $\frac{5}{12}$ kg $2\frac{1}{2}$ kg $\rightarrow 2\frac{1}{2} \times 2\frac{2}{5}$ Therefore, $2\frac{1}{2} \div \frac{5}{12} = 2\frac{1}{2} \times \frac{12}{5}$ $= \frac{5}{2} \times \frac{12}{5}$ $= 6.$
Assess	Have students solve tasks 18-20 on Textbook p. 69.	Textbook p. 69 18. $7; \frac{1}{3}$ 19. $2\frac{1}{2}$ 20. Answers may vary. Possible explanation: From diagram A, we can see that two-thirds of a whole is shaded. By