

Subject: Maths

Class: UK Level 4

Topic: Dividing Mixed Fractions

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Aarav has $1\frac{1}{2}$ kg of sugar. He divides it into $\frac{1}{2}$ kg packets. How many packets does he make?
2. Solve: $2\frac{1}{4} \div 3$. Give your answer in simplest form.
3. Priya spends $\text{£}1\frac{3}{4}$ on pens. Each pen costs $\text{£}\frac{1}{4}$. How many pens did she buy?
4. Divide $1\frac{1}{2}$ by $\frac{3}{4}$. Answer: _____
5. Anjali has $3\frac{1}{3}$ metres of ribbon. She cuts it into $\frac{1}{3}$ metre pieces. How many pieces are there?
6. Calculate: $2\frac{1}{2} \div 2$. Answer: _____
7. A box of laddoos weighs $2\frac{1}{4}$ kg. If each serving is $\frac{1}{4}$ kg, how many servings are there?
8. Solve: $1\frac{2}{5} \div 7$. Answer: _____
9. If 4 identical books cost $\text{£}5\frac{1}{2}$, what is the cost of one book? £ _____
10. Divide $2\frac{2}{3}$ by 2. Answer: _____

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Level: Intermediate

1. Rahul has $2\frac{1}{2}$ litres of milk. He pours it into $1\frac{1}{4}$ litre bottles. How many bottles are filled?
2. Solve: $3\frac{1}{2} \div 1\frac{1}{2}$. Give your answer as a mixed number.
3. A rectangular garden has an area of $6\frac{3}{4}$ m². If the width is $2\frac{1}{4}$ m, find the length.
4. Calculate: $4\frac{2}{5} \div 1\frac{1}{10}$. Answer: _____
5. Sita buys $5\frac{1}{4}$ kg of rice for £7. How much rice can she get for £1?
6. Solve: $2\frac{5}{8} \div 1\frac{3}{4}$. Answer: _____
7. A tailor uses $1\frac{1}{2}$ metres of cloth for one shirt. How many shirts from $7\frac{1}{2}$ metres?
8. Divide $3\frac{3}{4}$ by $2\frac{1}{2}$. Answer: _____
9. If a car travels $10\frac{1}{2}$ km in $1\frac{3}{4}$ hours, what is its average speed per hour?
10. Calculate: $1\frac{7}{8} \div 1\frac{1}{4}$. Answer: _____

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1. A worker earns $\text{£}15\frac{3}{4}$ for $3\frac{1}{2}$ hours of work. What is the hourly rate? £ _____
2. Solve: $(1\frac{1}{2} \div 2\frac{3}{4}) + \frac{1}{2}$. Give your final answer as a fraction.
3. A tank contains $12\frac{1}{2}$ litres of water. It leaks at a rate of $1\frac{2}{3}$ litres per hour. How long to empty?
4. Calculate: $5\frac{5}{6} \div 2\frac{1}{6}$. Answer: _____
5. Karan shares $\text{£}20\frac{1}{2}$ among his friends. Each gets $\text{£}2\frac{1}{9}$. How many friends are there?
6. Solve: $10\frac{1}{2} \div 3\frac{1}{2}$. Answer: _____
7. A recipe requires $2\frac{1}{4}$ cups of flour. How many batches can be made with $11\frac{1}{4}$ cups?
8. If $\theta = 1\frac{3}{4}$, find the value of $7 \div \theta$. Answer: _____
9. Divide the sum of $1\frac{1}{2}$ and $2\frac{1}{4}$ by $\frac{3}{4}$. Answer: _____
10. Challenge: A gold wire is $15\frac{3}{4}$ cm long. It is cut into $1\frac{1}{8}$ cm pieces. How many pieces?
