

Percentage Money Fractions Problems

1. Amelia had £63. She spent $\frac{1}{5}$ of her money on a cinema ticket and the rest on snacks. What percentage of her money did she spend on snacks? Give your answer to 2 decimal places.
2. Isaac has £90. He spends $\frac{2}{9}$ of his money on a gift for his sister and the rest on books. What percentage of his money does he spend on books?
3. Priya had £75. She spent $\frac{3}{10}$ of her money on school supplies and the rest on a museum trip. What percentage of her money did she spend on the museum trip? Give your answer to 1 decimal place.
4. Oliver has £52. He spends $\frac{7}{13}$ of his money on a football and the rest on a backpack. What percentage of his money does he spend on a backpack?
5. Mia has £84. She spends $\frac{1}{3}$ of her money on shoes and the rest on a dress. What percentage of her money does she spend on a dress?
6. Ethan had £100. He spent $\frac{5}{8}$ of his money on a train ticket and the rest on lunch. What percentage of his money did he spend on lunch? Give your answer to 2 decimal places.
7. Ruby has £66. She spends $\frac{3}{11}$ of her money on books and the rest on headphones. What percentage of her money does she spend on headphones?
8. Lucas has £78. He spends $\frac{4}{13}$ of his money on a skateboard and the rest on a helmet. What percentage of his money does he spend on a helmet? Give your answer to 2 decimal places.
9. Freya had £95. She spent $\frac{2}{5}$ of her money on a concert ticket and the rest on food. What percentage of her money does she spend on food?

1. Amelia

She spent $\frac{1}{5}$ on a cinema ticket.

Fraction spent on snacks:

$$1 - \frac{1}{5} = \frac{4}{5}$$

Convert to a percentage:

$$\frac{4}{5} = 0.8$$

$$0.8 \times 100 = 80\%$$

Answer (to 2 d.p.):

80.00%

2. Isaac

He spent $\frac{2}{9}$ on a gift.

Fraction spent on books:

$$1 - \frac{2}{9} = \frac{7}{9}$$

Convert to a percentage:

$$\frac{7}{9} \approx 0.777 \dots$$

$$0.777 \dots \times 100 \approx 77.78\%$$

Answer:

77.78%

3. Priya

She spent $\frac{3}{10}$ on school supplies.

Fraction spent on museum trip:

$$1 - \frac{3}{10} = \frac{7}{10}$$

Convert to a percentage:

$$\frac{7}{10} = 0.7$$

$$0.7 \times 100 = 70\%$$

Answer (to 1 d.p.):

70.0%

4. Oliver

He spent $\frac{7}{13}$ on a football.

Fraction spent on backpack:

$$1 - \frac{7}{13} = \frac{6}{13}$$

Convert to a percentage:

$$\frac{6}{13} \approx 0.461538 \dots$$

$$0.461538 \dots \times 100 \approx 46.15\%$$

Answer:

46.15%

5. Mia

She spent $\frac{1}{3}$ on shoes.

Fraction spent on dress:

$$1 - \frac{1}{3} = \frac{2}{3}$$

Convert to a percentage:

$$\frac{2}{3} \approx 0.666 \dots$$

$$0.666 \dots \times 100 \approx 66.67\%$$

Answer:

66.67%

6. Ethan

He spent $\frac{5}{8}$ on a train ticket.

Fraction spent on lunch:

$$1 - \frac{5}{8} = \frac{3}{8}$$

Convert to a percentage:

$$\frac{3}{8} = 0.375$$

$$0.375 \times 100 = 37.5\%$$

Answer (to 2 d.p.):

37.50%

7. Ruby

She spent $\frac{3}{11}$ on books.

Fraction spent on headphones:

$$1 - \frac{3}{11} = \frac{8}{11}$$

Convert to a percentage:

$$\frac{8}{11} \approx 0.727272 \dots$$

$$0.727272 \dots \times 100 \approx 72.73\%$$

Answer:

72.73%

8. Lucas

He spent $\frac{4}{13}$ on a skateboard.

Fraction spent on helmet:

$$1 - \frac{4}{13} = \frac{9}{13}$$

Convert to a percentage:

$$\frac{9}{13} \approx 0.692307 \dots$$

$$0.692307 \dots \times 100 \approx 69.23\%$$

Answer (to 2 d.p.):

69.23%

9. Freya

She spent $\frac{2}{5}$ on a concert ticket.

Fraction spent on food:

$$1 - \frac{2}{5} = \frac{3}{5}$$

Convert to a percentage:

$$\frac{3}{5} = 0.6$$

$$0.6 \times 100 = 60\%$$

Answer:

60%
