

**Q4 (Problem Solving Fraction) Day 11 Name:** \_\_\_\_\_

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1. Ruth has decided to go on holiday to Australia. She buys several things for the trip. These include a suitcase, towels and sun cream. The **suitcase costs £200**. The towels **cost  $\frac{3}{4}$  of the amount of the suitcase**. The **sun cream cost half the amount of the towels**. How much does she **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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2. John has decided to go on holiday to Thailand. He buys several things for the trip. These include a back-pack, sunglasses and a new set of headphones for the plane. The **back-pack costs £300**. The sunglasses **cost  $\frac{1}{2}$  of the amount of the back pack**. The **headphones cost a quarter of the amount of the sunglasses**. How much does he **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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3. Grace has decided to go on holiday to Tenerife. She buys several things for the trip. These include the flight, taxi to the airport and transfer from the airport to the resort. The **flight costs £261**. The taxi cost  $\frac{2}{3}$  of the amount of the flight. The **transfer cost half the amount of the taxi**. How much does she **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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4. Sam has decided to go on holiday to India. He buys several things for the trip. These include a suitcase, towels and sun cream. The **suitcase costs £450**. The towels cost  $\frac{3}{4}$  of the amount of the suitcase. The **sun cream cost a third of the amount of the towels**. How much does he **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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5. Annie has decided to go on holiday to Egypt. She buys several things for the trip. These include a back-pack, sunglasses and a new set of headphones for the plane. The **back-pack costs £255**. The sunglasses **cost  $\frac{3}{5}$  of the amount of the back pack**. The **headphones cost half the amount of the sunglasses**. How much does she **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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6. Barney has decided to go on holiday to Spain. He buys several things for the trip. These include a suitcase, towels and sun cream. The **suitcase costs £324**. The towels **cost  $\frac{5}{6}$  of the amount of the suitcase**. The **sun cream cost a quarter of the amount of the towels**. How much does he **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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7. Clare has decided to go on holiday to Germany. She buys several things for the trip. These include the flight, taxi to the airport and transfer from the airport to the resort. The **flight costs £558**. The taxi cost  $\frac{7}{9}$  of the amount of the flight. The **transfer cost half the amount of the taxi**. How much does she **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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8. Derek has decided to go on holiday to France. He buys several things for the trip. These include a back-pack, sunglasses and a new set of headphones for the plane. The **back-pack costs £100**. The sunglasses cost  $\frac{7}{8}$  of the amount of the **back pack**. The **headphones cost three fifths of the amount of the sunglasses**. How much does he **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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9. Gemma has decided to go on holiday to Italy. She buys several things for the trip. These include the flight, taxi to the airport and transfer from the airport to the resort. The **flight costs £68**. The taxi cost  $\frac{3}{10}$  of the amount of the flight. The **transfer cost one fifth of the amount of the taxi**. How much does she **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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10. Max has decided to go on holiday to Morocco. He buys several things for the trip. These include a suitcase, towels and sun cream. The **suitcase costs £25.10**. The towels cost  $\frac{4}{5}$  of the amount of the suitcase. The **sun cream cost five eighths of the amount of the towels**. How much does he **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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**11.** Izzy has decided to go on holiday to Portugal. She buys several things for the trip. These include a back-pack, sunglasses and a new set of headphones for the plane. The **back-pack costs £156**. The sunglasses **cost  $\frac{6}{13}$  of the amount of the back pack**. The **headphones cost half the amount of the sunglasses**. How much does she **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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**12.** Patrick has decided to go on holiday to Dubai. He buys several things for the trip. These include the flight, taxi to the airport and transfer from the airport to the resort. The **flight costs £315**. The taxi **cost  $\frac{4}{15}$  of the amount of the flight**. The **transfer cost seven eighths of the amount of the taxi**. How much does he **spend in total on the three items**? Write your answer in the space below.

£ \_\_\_\_\_

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**Answers**

- 1. £425**
- 2. £487.50**
- 3. £522**
- 4. £900**
- 5. £484.50**
- 6. £661.50**
- 7. £1209**
- 8. £240**
- 9. £92.48**
- 10.£57.73**
- 11.£264**
- 12.£472.50**