

Year 4 Measure and Money Problems

Solve simple measure and money problems involving fractions and decimals to two decimal places.

All games have the full price on the tag. If you buy the game second-hand, it costs $\frac{1}{2}$ of the full price. If you buy two or more second-hand games together, they each cost $\frac{1}{4}$ of the full price. All new games are full price.

Use the information to answer the following questions.



1. How much would it cost to buy a second-hand copy of The Force Sleeps?

2. What would the total cost of buying Minecraft and The Force Sleeps second hand?

3. How much would it be to buy new versions of both Cool Duty and Toastbusters?

4. How much would you pay to buy second-hand copies of Wall of Spies and FOFA 16?

5. What would the cost be for a new copy of Toastbusters and second-hand copies of Toastbusters and The Force Sleeps?

6. How much would it cost to buy all of the games brand new?

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Answers

1. How much would it cost to buy a second-hand copy of The Force Sleeps?
£2.00
2. What would the total cost of buying Minecraft and The Force Sleeps second hand?
Second hand 2 games = $\frac{1}{4}$ the price.
£4.00 + £5.00 = £9.00
 $\frac{1}{4}$ of £9.00 = £2.25
3. How much would it be to buy new versions of both Cool Duty and Toastbusters?
£4.48 + £5.84 = £10.32
4. How much would you pay to buy second-hand copies of Wall of Spies and FOFA 16?
 $\frac{1}{4}$ of £1.80 = 45p
 $\frac{1}{4}$ of £3.96 = 99p
Total: £1.44
5. What would the cost be for a new copy of Toastbusters and second-hand copies of Toastbusters and The Force Sleeps?
£5.84 + £1.12 + £1.00 = £7.96
6. How much would it cost to buy all of the games brand new?
£1.80 + £3.96 + £5.00 + £4.00 + £4.48 + £5.84 = £25.08