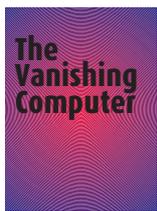


DVD Decisions

You need a classmate

Activity

Sam, Maafi, Kinesha, Alana, Matiu, and Toni go to the DVD Downunder clearance sale. They think about buying these DVDs:



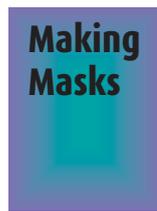
\$30.00



\$27.00



\$30.00



\$18.00



\$25.00

1. Sam, Toni, and Kinesha decide to buy **Rat's Fall**, sharing the cost equally.

- a. How much money will each person pay?

That's \$27 between the 3 of us.
 $3 \times \square = 27$ or $27 \div 3 = \square$

- b. Then Matiu joins them.

I'd like to help buy **Rat's Fall** too.
 Then we'd each pay $\frac{1}{4}$.

Great! That's $\$27 \div 4 \dots$
 $\$5$ each makes $\$20$.
 $\$1$ more each makes $\$24$.
 How can we divide the rest?

- i. What would each person pay altogether now?
 Show how you worked out the answer.
- ii. Can you find a different way to work out the answer?
 Discuss your strategy with a classmate.

2. Toni and Maafi decide to share the cost of buying **Game Ends** and **SMASH HITS**. How much will they each pay? Show your working.



3. Kinesha sees a DVD that her father would like as a birthday present:

Normal price: \$32
Now $\frac{1}{4}$ off!

Sporting Moments of the Century

I can find $\frac{1}{4}$ by dividing by 4.

So

How much would Kinesha pay for this DVD?

4. Alana has \$39 to spend. She wants to buy **The Vanishing Computer** by herself.
- If she buys this DVD, how much money will she have left?
 - Give two ways she could use the rest of her money to buy DVDs with her friends.



Investigation

With your classmate, find out the price of DVDs that you would like to buy. Calculate how much you would pay for each one if you shared the cost with 2 or 3 friends.