Year 6 maths: Percentage discounts and sale prices (Hard)

Maths · Fractions
Level: Hard

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. A pair of boots costs $60 in a half-price sale. What was the price before the sale?

Circle one answer.

○ **A** $110 ○ **B** $120 ○ **C** $90 ○ **D** $60

2. A television costs $480. It is 25% off. A $20 voucher is then used. How much do you pay?

Answer: $ ☐

Working:

3. A $600 phone is 25% off at Shop A. At Shop B it has $100 off. Which shop saves more?

Circle one answer.

○ **A** They save the same. ○ **B** Shop A saves $50 more.

○ **C** Shop B saves $50 more.

4. A tour cost $250. In summer the price rises by 20%. What is the summer price?

Circle one answer.

○ **A** $200 ○ **B** $300 ○ **C** $270 ○ **D** $50

5. A shirt costs $80. It is 25% off. How much do three shirts cost?

Answer: $ ____

Working:

6. A sale price is 3/4 of the old price. What percent was taken off?

Circle one answer.

○ **A** 75% ○ **B** 50% ○ **C** 25% ○ **D** 34%

7. A caravan costs $12 000. A dealer takes 10% off. What is the sale price?

Answer: $ ____

Working:

8. A boat motor costs $1500. A sale takes 20% off. What is the sale price?

Circle one answer.

○ **A** $300 ○ **B** $1200 ○ **C** $1480 ○ **D** $1800

9. A $500 board is first reduced by 20%, then the new price is reduced by 10%. What is the final price?

Circle one answer.

○ **A** $400 ○ **B** $360 ○ **C** $350 ○ **D** $450

10. A coat marked $480 is sold for $360. What percent discount is that?

Circle one answer.

○ **A** 25% ○ **B** 20% ○ **C** 75% ○ **D** 120%

Answer key

Year 6 maths: Percentage discounts and sale prices (Hard) · Sheet 939615

1. B — $120
Half price means $60 is half of the price before the sale. Double it: 2 × $60 = $120.

2. $340
25% of $480 is $120, so the sale price is $360. $360 − $20 = $340.

3. B — Shop A saves $50 more.
25% of $600 is $150. Shop A saves $150 and Shop B saves $100.

4. B — $300
20% of $250 is $50. The price goes UP: $250 + $50 = $300.

5. $180
25% of $80 is $20, so one shirt costs $60. 3 × $60 = $180.

6. C — 25%
3/4 is kept, so 1/4 comes off. 1/4 is 25%.

7. $10 800
10% of $12 000 is $1200. $12 000 − $1200 = $10 800.

8. B — $1200
20% of $1500 is $300. $1500 − $300 = $1200.

9. B — $360
20% off $500 leaves $400. 10% off $400 is $40 off, leaving $360.

10. A — 25%
The saving is $120, and $120 is 1/4 of $480, which is 25%.