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

Maths · Fractions
Level: Medium

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 mountain bike costs $350. It is on sale for 20% off. What is the sale price? Answer: $ ____

Working:

2. A cabinet costs $520. It is 25% off. What is the sale price?

Circle one answer.

○ **A** $650 ○ **B** $390 ○ **C** $130 ○ **D** $495

3. A sound system costs $1500. It is 20% off. How many dollars are saved? Answer: $ ____

Working:

4. A rain jacket costs $90. It is 10% off. What do you pay?

Circle one answer.

○ **A** $80 ○ **B** $99 ○ **C** $9 ○ **D** $81

5. Shop A sells a $200 desk at 25% off. Shop B sells a $180 desk at 10% off. Which desk costs less?

Circle one answer.

○ **A** Shop A's desk, by $12.

○ **B** They cost the same.

○ **C** Shop B's desk, by $12.

6. Almonds cost $20 a kilogram. How much do 3/4 of a kilogram cost?

Answer: $ ____

Working:

7. What fraction of the price comes off when a shop gives 10% off?

Circle one answer.

○ **A** 1/10

○ **B** 1/4

○ **C** 1/5

○ **D** 1/100

8. A ticket cost $120. The price rises by 25%. What is the new price?

Answer: $ ____

Working:

9. A $240 jacket goes up by 25% for winter, then is reduced by 25% of the new price. What is the final price?

Circle one answer.

○ **A** $240

○ **B** $210

○ **C** $225

○ **D** $180

10. Shop A gives 5% off a $520 hoverboard. Shop B gives $20 off. How many more dollars does the better deal save?

Answer: $ ____

Working:

Answer key

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1. $280

20% is 1/5. $350 ÷ 5 = $70 saved. $350 − $70 = $280.

2. B — $390

25% of $520 is $130. $520 − $130 = $390.

3. $300

20% is 1/5. $1500 ÷ 5 = $300.

4. D — $81

10% of $90 is $9. $90 − $9 = $81.

5. A — Shop A's desk, by $12.

Shop A: $200 − $50 = $150. Shop B: $180 − $18 = $162. Shop A is $12 cheaper.

6. $15

$20 ÷ 4 = $5 a quarter. 3 quarters cost $15.

7. A — 1/10

10% is 10 out of 100, which is 1/10.

8. $150

25% of $120 is $30. $120 + $30 = $150.

9. C — $225

Up 25%: $240 + $60 = $300. Down 25% of $300 = $75, so $300 − $75 = $225.

10. $6

5% of $520 = $26. $26 − $20 = $6 more.