Merit Tutoring

WORSHEET 17

Year 6 Mathematics: Calculating & Money
Discounts & Best Buys

Focus: Calculating Discounts

Name: _____   **Date:** _____

Understanding Discounts

Discount means a reduction in price. It's often shown as a percentage.
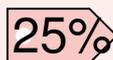**Common Discounts:**

- **10% off:** Divide the price by 10

- **25% off:** Find one quarter (divide by 4)

- **50% off:** Find half (divide by 2)

Finding the Sale Price:

1. Find the discount amount

2. Subtract the discount from the original price

Example: A toy costs $40 with 25% off.

- Discount: $40 ÷ 4 = $10

- Sale Price: $40 - $10 = $30

25%

OFF!

Section 1: Finding the Discount Amount (Fluency)

1. Find 10% of $50.
(Hint: Divide by 10)

Answer: _____

2. Find 50% (half) of $24.

Answer: _____

3. Find 25% (quarter) of $40.

Answer: _____

4. Find 10% of $80.

Answer: _____

5. Find 50% of $36.

Answer: _____

6. Find 25% of $60.

Answer: _____

2

SALE SAVVY!

Bargain Bunny

Why did the percentage go shopping?
To find its perfect match... a discount!

Section 2: Calculating Sale Prices (Reasoning)

7. A shirt costs $20. There is a 10% discount.

$20

a) How much is the discount?
b) What is the new sale price?

Answer: _____

8. A game costs $60. It is 50% off. What is the new price?

Answer: _____

9. A book costs $30. There is a 25% discount. What do you pay?

Answer: _____

10. Headphones are $50. They have 10% off. What is the sale price?

www.merittutoring.com

Answer: _____

11. A toy costs $16. It is half price (50% off). What is the new price?

Answer: _____

DISCOUNT DETECTIVE!

Discount Dragon

What do dragons love about shopping?

Fire sales... they're blazing hot deals!

Section 3: Harder Discounts (Challenge)

12. Calculate 20% off $50.
(Hint: Find 10% first, then double it)

Answer: _____

13. A bike is $100. It is discounted by 30%. How much do you pay?
(Hint: 30% = 3 × 10%)

Answer: _____

14. A jacket costs $80. It has 15% off. What is the discount amount?
(Hint: Find 10%, then find 5%, then add)

www.merittutoring.com

Answer: _____

15. Calculate 40% off $120.

Answer: _____

16. A TV costs $400. There is a 35% discount. What is the sale price?

Answer: _____

17. Which is a better discount: 25% off $80 or 50% off $50? Show your working.

Answer: _____

BARGAIN HUNTER!

Happy Cart

Why did the shopping cart smile?
Because it was wheely happy with all the savings!

Excellent Work! Check your answers on the next page.

ANSWER KEY
Worksheet 17: Calculating Discounts

Section 1: Finding the Discount Amount

1. $5 (50 ÷ 10 = 5)

2. $12 (24 ÷ 2 = 12)

3. $10 (40 ÷ 4 = 10)

4. $8 (80 ÷ 10 = 8)

5. $18 (36 ÷ 2 = 18)

6. $15 (60 ÷ 4 = 15)

Section 2: Calculating Sale Prices

7. a) Discount: $2 (20 ÷ 10 = 2); b) Sale price: $18 (20 - 2 = 18)

8. $30 (discount is $30, so 60 - 30 = 30)

9. $22.50 (discount is $7.50, so 30 - 7.50 = 22.50)

10. $45 (discount is $5, so 50 - 5 = 45)

11. $8 (16 ÷ 2 = 8)

Section 3: Harder Discounts

12. $40 sale price (10% = $5, so 20% = $10; 50 - 10 = 40)

13. $70 (30% of 100 = $30, so 100 - 30 = 70)

14. $12 discount (10% = $8, 5% = $4, total 8 + 4 = 12)

15. $72 sale price (40% of 120 = $48; 120 - 48 = 72)

16. $260 (35% of 400 = $140; 400 - 140 = 260)

17. 25% off $80 = $60 final price (discount $20). 50% off $50 = $25 final price (discount $25). Better discount: 50% off $50 (saves more money: $25 vs $20)

www.merittutoring.com

WORKSHEET 18
Year 6 Mathematics: Calculating & Money
Discounts & Best Buys
Focus: Best Buys and Value for Money

Name: _____   **Date:** _____

Finding the Best Buy

Best Buy means getting the best value for your money!
Unit Price: The cost for ONE item.
To find the best buy:

1. Calculate the price per item (unit price)

2. Compare the unit prices

3. The LOWER unit price is the better value

Example: Which is better value?

- Option A: 4 apples for $6 = $1.50 each

- Option B: 6 apples for $7.50 = $1.25 each

Option B is the better buy! (Cheaper per apple)

Option A	Option B
4 for $6 $1.50 each	6 for $7.50 $1.25 each

↓

Best Buy!

Section 1: Unit Pricing (Fluency)

1. Pack A: 10 pencils for $5. How much is 1 pencil?

Answer: _____

2. Pack B: 5 pencils for $3. How much is 1 pencil?

Answer: _____

3. Box A: 12 muffins for $24. Find the price per muffin.

Answer: _____

4. Box B: 6 muffins for $15. Find the price per muffin.

Answer: _____

5. Bottle A: 2 litres of juice for $8. Find the price per litre.

Answer: _____

6. Bottle B: 5 litres of juice for $15. Find the price per litre.

Answer: _____

www.merittutoring.com

PRICE PRO!

Calculator Koala

Why did the koala bring a calculator shopping?
To make sure it got the best buy... eucalyptus leaves!

Section 2: Comparing Deals (Reasoning)

7. Compare the pencils from Questions 1 and 2. Which pack is the 'Best Buy'? Pack A or Pack B? Explain.

Answer: _____

8. Compare the muffins from Questions 3 and 4. Which is better value?

Answer: _____

9. Apples are sold at two prices: 3 for $2 or 5 for $4. Which is the better deal?
(Hint: Find the price per apple for each option)

Answer: _____

10. Chips come in two sizes: Small (100g for $2) or Large (250g for $4). Which is better value per gram?

Answer: _____

11. Look at these chocolate deals:

Deal 1	**Deal 2**
8 bars for $12	12 bars for $15

Which deal offers better value? Show your working.

Answer: _____

COMPARISON CHAMPION!

Wise Owl

Why did the owl become a shopping expert?
Because it was always asking "Whoo's got the best deal?"

Section 3: Smart Shopping (Challenge)

12. A single drink costs $3. A 6-pack costs $15.
a) How much is each drink in the 6-pack?
b) How much do you save per drink by buying the 6-pack?

Answer: _____

13. Individual cookies cost $2 each. A box of 10 cookies costs $15. How much do you save if you buy the box instead of 10 individual cookies?

Answer: _____

14. Is it always better to buy the bigger box? Why or why not? Give a reason.

Answer: _____

15. A supermarket has 3 sizes of cereal:

- Small: 250g for $5

- Medium: 500g for $9

- Large: 1000g for $16

Which size is the best value per 100g? Show your working.

Answer: _____

16. You need exactly 8 pens. Option A sells pens individually for $2 each. Option B sells packs of 5 for $8. What is the cheapest way to buy 8 pens?

Answer: _____

17. True or False: "The item with the biggest discount percentage is always the best buy." Explain your answer.

Answer: _____

SAVVY SHOPPER!

Money Saver

What did the money say to the piggy bank?
"I'm saving myself for something special... a best buy!"

Outstanding Work! Check your answers on the next page.

www.merittutoring.com

ANSWER KEY
Worksheet 18: Best Buys & Value

Section 1: Unit Pricing

1. $0.50 per pencil (5 ÷ 10 = 0.50)

2. $0.60 per pencil (3 ÷ 5 = 0.60)

3. $2 per muffin (24 ÷ 12 = 2)

4. $2.50 per muffin (15 ÷ 6 = 2.50)

5. $4 per litre (8 ÷ 2 = 4)

6. $3 per litre (15 ÷ 5 = 3)

Section 2: Comparing Deals

7. Pack A is the best buy ($0.50 vs $0.60 per pencil - cheaper per unit)

8. Box A is better value ($2 per muffin vs $2.50 per muffin)

9. 5 for $4 is better (3 for $2 = $0.67 each; 5 for $4 = $0.80 each). Actually, 3 for $2 is better!

10. Both are the same value! (Small: 2 ÷ 100 = $0.02 per gram; Large: 4 ÷ 250 = $0.016 per gram). Large is better.

11. Deal 2 is better (Deal 1: $1.50 per bar; Deal 2: $1.25 per bar)

Section 3: Smart Shopping

12. a) $2.50 each (15 ÷ 6); b) Save $0.50 per drink (3 - 2.50)

13. Save $5 (Individual: 10 × 2 = $20; Box = $15; Savings: 20 - 15 = 5)

14. Not always - you might waste food/money if you don't use it all, or you might not have enough storage space, or you might not have enough money upfront.

15. Large is best value. Small: $2 per 100g; Medium: $1.80 per 100g; Large: $1.60 per 100g

16. Buy 2 packs of 5 for $16 total (10 pens, use 8). Buying individually: 8 × 2 = $16. Same price! (Accept either answer with correct reasoning)

17. False. A 50% discount on $10 ($5 off) is less than 25% off $100 ($25 off). The final price matters, not just the percentage.

www.merittutoring.com

SCAN FOR HELP

Spectacular Achievement!

You've mastered Discounts & Best Buys!
From sale tags to smart shopping strategies!

www.merittutoring.com